



**WOLFTANK**



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**Swiss Made Paints, Coatings and Resins  
for Construction, Chemical and  
Petrochemical Industry**

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# Introduction



The last fifteen years have enabled our companies to create a market leading group which today excels in high technology products. We have succeeded in achieving what we previously thought could only be a dream.

Today the need to construct a sustainable economy reinforces the Mäder Group in its conviction.

Is it necessary to remind you that Mäder pioneered the development of water based industrial paint? This objective has led to the creation of innovative products in harmony with the environment and meeting the global green vision of the Group. Our resources, people, plants and processes, are dedicated to ensuring sustainability which is only achievable if all constituent elements converge towards the same target. This vision will carry us into the future.

As newly linked to the Mäder Group, Wolftank, through its people and sites, is ready to meet this challenge more than any other. Thousands of installations confirm the outstanding position of products and solutions and the concepts of tomorrow are already being tested. These upcoming developments promise performance which, I'm sure, will be of outstanding added value to our customers. With this catalogue, I invite you to discover what we can achieve together, our goals are common!

A.Molina

Founder of Mäder Group



“Protect our customer's investments  
and make them last longer”

The exceptional protection we provide for our clients' assets is represented by our exclusive DOPA® registered trademark and embodied in the experience we have accumulated since our first day of work, transforming storage facilities into double-walled tanks, complemented by remotely viewable continuous monitoring systems. The transformation preserves the asset's value, placing it in class 1 according to the EN13160 standard. The operation also extends the plant's life cycle and greatly increases its value, not only from a financial point of view, but also as relates to existing legislation and especially for customers and operators.

To insure the increased asset value, Wolftank offers an exclusive Kasko Ambientale® policy, the ultimate insurance for environmental and business protection, a product designed to protect our customers and help them access targeted funding.

Thanks to our extensive experience and our research and development activities, the technologies described here are applicable to any storage facility. The introductions to each chapter of this catalogue provide, in a matter of minutes, an overview of the improvement opportunities for your business.

Dr. Ing. Peter M. Werth  
President of Wolftank Adisa Holding AG

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# Key Figures

For almost 30 years, WOLFTANK ADISA systems have been designed to protect the environment. More specifically, we are teaming up with you to protect one of the most valuable resources on the planet: water.

- 1,000,000 m<sup>2</sup> coating with EPOFLEX products
- 600,000 m<sup>2</sup> refurbished to double wall / floor with the DOPA<sup>®</sup> system
- 3,000 vacuum and pressure leak detection systems (class 1 acc. EN 13160) installed
- More than 11,000 satisfied customers
- More than 30 years of experience
- Worldwide certified solutions



Our expertise ranges from product formulation and product development to the in-house product application and the sales support.



Thanks to our products and solutions, your facilities will be able to meet high quality standards while at the same time protecting the environment and meeting legal provisions and saving a lot of money thanks to the durability of our systems.



A wide range of system solutions have to be developed and certified according to national and international product standards. For example in case of a storage tank, WOLFTANK ADISA has system solutions for:

- Conductive and non conductive floor corrosion protections
- Mechanical reinforcement of steel floor with high performance laminates
- Outside surface sealing for secondary containments
- Internal double floor lining with the DOPA<sup>®</sup> technology
- Outside corrosion protection for C1-C5 environments
- Reinforcement of ring basements

# Product & System Solutions

WOLFTANK ADISA's product portfolio comprises special coatings for corrosion protection, highly advanced leak protection systems, sealing products, impregnations, and much more. These products are mainly used in aboveground and underground storage tanks, catching and bonding areas, ring wall, manhole chambers and many more surface areas. Furthermore WOLFTANK ADISA provides solutions for the drinking water industry as well as highly sophisticated products for nuclear power plants. All WOLFTANK ADISA special coating and lining systems are adapted to local requirements for the protection of steel and concrete.



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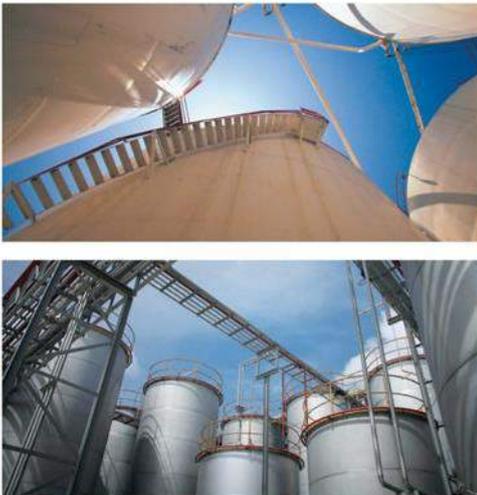


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# Application Example: Double Floor

WOLFTANK ADISA's over 30 years experience in refurbishing tanks has led to the creation of the unique DOPA<sup>®</sup> single to double floor transformation system, that can be used for non-pressurized underground tanks used to store potentially hazardous liquids, such as automotive fuels or chemicals.

## DOPA<sup>®</sup> the smart way to make your tank last longer

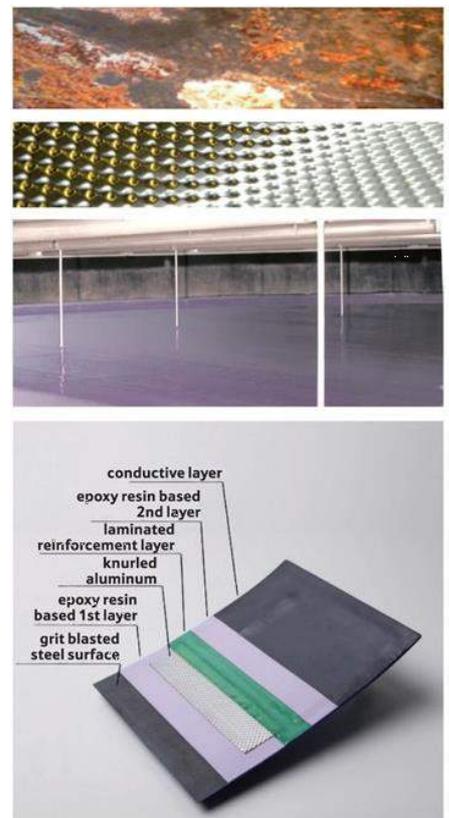


The DOPA<sup>®</sup> system improves contamination protection by continuous vacuum monitoring of the interstitial space. The technology permits the transformation of the entire inner surface or just the creation of a second floor of a flat bottom tank, so that there is no need to replace the tank. The interstitial space is created on the bottom of vertical tanks to ensure integrity of the double bottom. This allows the system to be used for a wide range of applications. Thank you for sending this over. I have just checked the artwork and unfortunately it doesn't have a bleed on it. Could you re-send with a 3mm bleed on the artwork. environmental safety (EN 13160 class 1).

The DOPA<sup>®</sup> remote monitoring system works with Wolftank leak detectors, which provide automated and continuous 24/7 monitoring, so that the device may not be deactivated without causing an alarm to sound.

## USP's of DOPA<sup>®</sup>

- Reduced "down time" of the tank during transformation
- Lower maintenance and inspection costs from a longer mean time between repair and internal inspection interval for the tank.
- Total resistance to bioethanol (E100), biodiesel (B100) and a wide range of chemicals, certified by an independent body.
- Continuous remote monitoring 24/7 with monthly reports and online access in combination with a service agreement.
- Approved by Air Forces as resistant to aviation fuels corresponding to MIL-PRF-4556F.
- DiBt and TÜV approval for use in above-ground tanks and compliance with technical standards and applicable regulations, such as EN 13160.



# Application Example: Double Wall Tank Transformation

WOLFTANK ADISA's more than 30 years experience in refurbishing tanks has led to the creation of the exclusive DOPA<sup>®</sup> single wall to double wall transformation system, that can be used for non pressurized underground tanks and store potentially hazardous liquids, such as automotive fuels or chemicals.

## DOPA<sup>®</sup> the smart way to make your tank last longer



The DOPA<sup>®</sup> system is a solution technically equivalent to replacing a single wall tank with a double wall tank, allowing the system to achieve the highest standards of environmental safety (EN 13160 class 1) and provide continuous remote 24/7 monitoring with an intelligent and automated leak detector.

The DOPA<sup>®</sup> leak detection system is automated and tamper-resistant, meaning that an alarm sounds when one of the two walls is compromised or the device is tampered with or shut down.

This technology has been used by the major oil and gas companies for over 30 years and more than 17.000 tanks have already been transformed.

## USP's of DOPA<sup>®</sup>

- Extension of the lifetime and increase of the value of the asset. No system shutdown necessary, so that customers remain loyal during renovation.
- No excavations for removal.
- Total resistance to bioethanol, biodiesel and a wide range of chemicals (certified by an independent body).
- Continuous remote monitoring 24/7 using an innovative and intelligent leak detection system with monthly reports and online access in combination with a service agreement. Compliance with technical standards and applicable regulations, such as EN 13160.



# Application Example: Tank Lining

WOLFTANK ADISA provides targeted corrosion prevention solutions for underground and flat bottomed tanks for storage in the chemical and petrochemical field. Our solutions make it possible to avoid degradation of the bottom and the walls of tanks.

## Blocks corrosion and extend the life cycle



Storage tanks for potentially polluting liquids require a high initial investment and during their life cycle they are exposed to severe conditions, such as weathering and highly aggressive chemicals. Proper plant operation requires periodic maintenance to monitor corrosion trends and prevent product loss and resulting environmental pollution, thereby preserving the value of the investment.

Aggressive chemicals, such as sulfur concentrate on the bottom of the tank, making it the most vulnerable due to fatigue, stress corrosion, static breakage, chemical aggression and similar situations that can lead to the decay of a storage facility of potentially polluting liquids.

The bottom, by its very nature, is the most difficult part to be inspected and such inspections typically require tank cleaning operations.

## Advantages

- Extends the life cycle of the tank.
- Allows to test the absence of pinholes in the coating during application to prevent any future corrosion.
- Enables local reparations of particularly affected areas.
- Makes storage of aggressive chemicals possible, avoiding the use of stainless steel structures.
- Approved for application both on steel construction for corrosion and on concrete structures against degradation.
- Short operation time since no construction work is required.

Advanced Corrosion



Local Repair

# Application Example: Laminates

WOLFTANK ADISA provides corrosion prevention and refurbishment solutions for floors of chemical and petrochemical storage tanks. Laminates are a solution specially recommended for steel floors already attacked by corrosion.

## Reinforce floor, block corrosion and boost life time

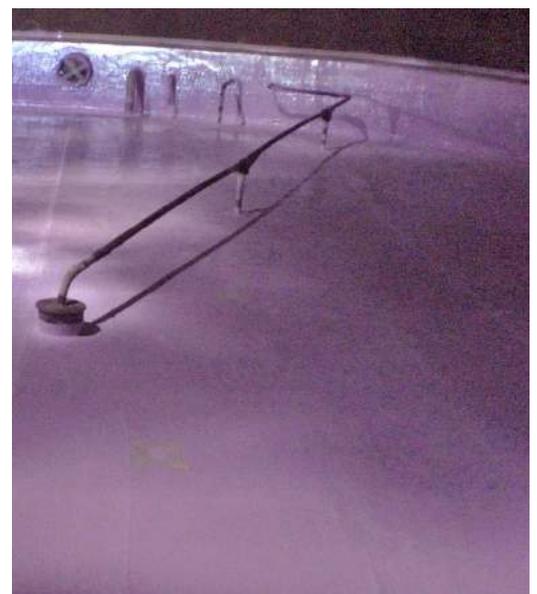


EEMUA 159, the European standard for maintenance of flat bottom tanks specifies the criteria for the determination of the lifetime of storage tanks. The rejection limit for the bottom is defined as following: „Rejection limits for the thickness of the tank bottom can only be prescribed in relation to the probability of leakage due to corrosion...“

Based on this statement the standard recommends the application of laminates for tank bottoms with an advanced corrosion. They are completely resistant against any chemical attack. Long term experience for more than 20 years as well as FEM simulations have shown that laminates can eliminate any risk of leaking even in case the a steel floor perforated by corrosion.

## Advantages

- Laminates extend the life time of tank floors for decades.
- Short out of service time since no construction work is required and the installation is carried out via manhole.
- Absence of pinholes in the coating tested at high voltage and the possibility to apply a conductive top-layer.
- Inspection with acoustic emission or floor-scanning is not influenced by the laminate
- Approved for application on steel preventing also corrosion, and on concrete preventing degradation.



# Application Example: Lining of Concrete Tanks

WOLFTANK ADISA present a new DOPA<sup>®</sup> based technology to built double wall concrete tanks which can be monitored on the entire surface independently of the shape of the tank and is resistant to chemical and petrochemical storage products.

## Monitoring your petrochemical or chemical concrete tank



The system consist of a base layer which creates the gas tightness of the concrete surface preventing infiltrations and structural degradations of the entire concrete structure. Subsequently, an inner lining system is applied with the DOPA<sup>®</sup> technology.

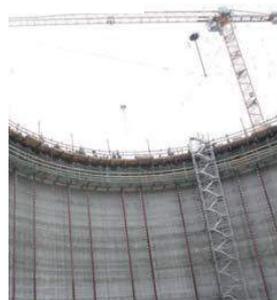
The interstice between the inner lining and the outer wall, like for conventional DOPA<sup>®</sup> installations, is created in conformity to EN 13160 and can be continuous vacuum.

The monitoring data can be transferred to a remote monitoring with a Customer Web access to the real time monitoring.

## Advantages

- Benefit of concrete structure: no corrosion of the plant and hence, very long life-times expected.
- No limits regarding the shape of the silo, tank or storage chamber.
- Applicable as well on concrete as on steel surfaces as on any combined structure.
- Possibility to build double wall tanks completely underground in “green areas”
- Low maintenance costs, easy tank cleaning and no chemical reaction between the sludge in the tank and the composite surface.

Before



After



Before



After



# Application Example: Secondary Containment Basin

WOLFTANK ADISA offers targeted solutions for the maintenance of areas surrounding aboveground storage tanks for oil and chemical industries, waterproofing uncovered areas, refurbishing containment areas and protecting ring foundation.

## The surface which resists all weather conditions



These areas are usually exposed to weathering and tanks can be subject to damage or decay, resulting in leaks and groundwater contamination. The products we use to solve these problems are the result of many years of research in the field of composite materials, specially designed for the type of product stored and the weather conditions such as exposure to UV radiation.

Treatment with these technologies are protecting your plant, the environment and – last but not least – your assets. In fact, the absence of both spills and accidents, ensures the safety of your facility and compliance with regulations.

## Advantages

- Maintains the tank's static stability by protecting the stringers, for both steel and concrete parts.
- Seals cracks in the affected area.
- Short operation time due to the lack of construction works.
- Our consolidated application process is carried out by technicians with over 10 years of experience.
- Method tested and approved by the German TÜV and compliant with international regulations.



Before

After

# Application Example: Sump Sealing

WOLFTANK ADISA's experience in refurbishing oil facilities now makes it possible to avoid replacing containment sumps that are no longer liquid-tight. The use of this system helps to prevent soil and groundwater contamination.

## An additional life for the sump

Before



Sumps are a critical element of all storage facilities for potential contaminating liquids. This is especially important during the product transfer of the liquids, where the liquids can get in contact with the walls of the sump. If the sump walls are not liquid proof, the problem can now be solved with our sump refurbishing system.



After

Using specifically designed and certified composite materials, the sump can become a liquid-tight container to protect the soil from leaks. This also reinforces the sump's structure and protects the metal parts inside from corrosion.

## Advantages

- Application of a sealing system without requiring excavation work.
- Simple and fast operation compared to the construction of a new sump.
- Structural reinforcement and protection of metal parts.
- Third party certified resistance to storage of liquids such as bioethanol, biodiesel and a wide range of chemical solutions available for various types of structures made out of different materials.



# Application Example: Industrial Flooring

WOLFTANK ADISA's over 30 years of experience in development of high technology resins has lead to a broad portfolio of coating systems for industrial flooring of warehouses, offices, production facilities, parking areas, garages, laboratories and may other surfaces.

## Outstanding Chemical Properties



Especially in the field of epoxy and polyurethane flooring systems WOLFTANK ADISA offers interesting solutions which are optimized for the most common challenges in industrial flooring: easy cleaning, anti slip finishing, abrasion resistance, hardness, crack bridging, able to resist very high loads and heavy traffic. Due to the experience of WOLFTANK ADISA with resins used for the storage of chemical liquids, the industrial flooring products show outstanding chemical properties and can be particularly suggested for chemically aggressive environments and floors which can get in contact with chemicals. A range of different adhesion primers allows to have a perfect adhesion at different humidity conditions and on different surfaces such as concrete, asphalt and metallic surfaces.

## Advantages

- Systems tested in terms of resistance in contact with aggressive chemicals.
- Adhesion primers specially developed for surfaces high residual humidity in order to lower the influence of application conditions on the adhesion.
- Full spectrum of RAL colors which allows to customize the resins for each customer.
- Conductive finishing available in areas that require electrical discharge.
- Systems applicable up to very high thicknesses (e.g. 5 mm) with excellent crack filling properties.
- Anti slip properties available for maximum reduction of risk especially in exterior areas.



# Application Example: Outside Corrosion Protection

## Atmospheric Corrosion

Atmospheric corrosion is a long term process that takes place in form of moisture on steel metal. The following three factors can accelerate the corrosion process:

-  High relative humidity
-  Condensation (when the temperature is below or at dew point)
-  Air pollution leading to a chemical reaction with steel

Our experience has shown that significant corrosion is likely to take place with a humidity level above 80% and at a temperature around 0°C. If pollutants and salts are in the air, the corrosion process is higher and much more aggressive.

## Structures which are immersed in water



It is a big difference if the structure is build in salt, brackish or fresh water and also the oxygen quantity which contains the water is a really important factor how fast and aggressive the corrosion is going to proceed. We define three different zones for structures built in water:

-  The underwater zone, which is constantly immersed in or near water
-  The intermediate zone, in which the water level changes due to natural or artificial effects. Thus giving rise to corrosion due to the combined impact of water and atmosphere
-  The splash zone, is the area which is wetted by waves and spray action. It can cause exceptional high corrosion stresses, especially with sea water.

## Structures which are buried in soil

Corrosion in soil depends on the minerals which contained in the soils, however, also the organic material. The corrosion in soil is strongly influenced by the degree of aeration. The oxygen content will vary and corrosion spots are created, where major steel structures pass through the different types of soil.

# Atmospheric Corrosion Categories with Example of typical Environments

The following table defines the corrosion categories by the term of mass / thickness loss after the first year of exposure.

Corrosivity Category	Mass loss per unit surface/thickness loss (after first year of exposure)				Examples of typical environments in a temperate climate (informative only)	
	Low Carbon steel		Zinc		External	Interior
	Mass Loss	Thickness Loss	Mass Loss	Thickness Loss		
C1 very low	≤ 10	≤ 1,3	≤ 0,7	≤ 0,1	-	Heated buildings with clean atmospheres e.g. offices, shops, schools.
C2 low	> 10 to 200	> 1,3 to 25	> 0,7 to 5	> 0,1 to 0,7	Atmospheres with low level pollution. Mostly rural areas.	Unheated buildings where condensation may occur e.g. depots, sports halls.
C3 medium	>200 to 400	> 25 to 50	> 5 to 15	> 0,7 to 2,1	Urban and industrial atmospheres, moderate sulfur dioxide pollution. Coastal areas with low salinity.	Production rooms with high humidity and high air pollution, e.g. food-processing plants, laundries, breweries.
C4 high	> 400 to 650	> 50 to 80	> 15 to 30	> 2,1 to 4,2	Industrial areas and coastal areas with moderate salinity.	Chemical plants, swimming pools, coastal ship- and boatyards.
C5-I	> 650 to 1.500	> 80 to 200	> 30 to 60	> 4,2 to 8,4	Industrial areas with humidity and aggressive atmospheres.	Buildings or areas with almost permanent condensation and with high pollution.
C5-M	> 650 to 1.500	> 80 to 200	> 30 to 60	> 4,2 to 8,4	Coastal and offshore areas with high salinity	Buildings or areas with almost permanent condensation and with high pollution

# Examples for Corrosion Protective Coating Systems

	Primer	Intermediate Coating	Top Layer	Recomendations
<b>Corrosion protection of new plants (30-300µm)</b>	Adacor Aktiv Primer	Adacor Aktiv Glimmerfarbe	Adapur ACR	≤ C5
	Adacor Zink	Adapur WR Glimmer	Adapur WR	≤ C4
	Etoplate Masters	Adapur HS		≤ C5
	Adapur 109 (1-2 Layers)			≤ C3
	Adapur ES (1-2 Layers)			≤ C4
<b>Refurbishment of plants (30-300µm)</b>	Adacor Aktiv Primer	Adacor Aktiv Glimmerfarbe	Adapur ACR	≤ C5
	Adacor Grund	Adapur WR Glimmer	Adapur WR	≤ C5
	Adamastic		Adapur HS	≤ C5
	Adamastic		Adapur 109	≤ C4
	Adapur ES (1-2 Layers)			≤ C4
<b>Thixotropic solid coatings (1-4mm)</b>	Epoflex 6N*			≤ C5
	Epoflex 6N*		Adapox L	≤ C5
	Adacor KS-A			≤ C5
	Epoflex DS*			≤ C5
<b>High abrasion resistant thixotropic coatings (1-4mm)</b>	Adapox DSF*			≤ C5
	Adalyt GF*			≤ C5

\*Non conductive coatings: Absence of pinholes can be tested with a holiday test at 20 kV.

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# Coating Guideline

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Acetaldehyde	20		✓
Acetic Acid	0.5 - 85		✓
Acetic Acid, Glacial	100	not resistant	
Acetic Anhydride	100	not resistant	
Acetic Acid/ Nitric Acid/ Chromic Oxide	3/5/3		✓
Acetic Acid/ Sulfuric Acid	20/10		✓
Acetone	10	3	✓
Acetone	20	3	
Acetone	100	3	
Acetonitrile	20		✓
Acetonitrile	100	not resistant	
Acetyl Acetone	20	3, 6N	✓
Acetyl Acetone	100	3, 6N	
Acid Cleaner - 31% hydrochloric acid	31		✓
Acrolein (Acrylaldehyde)	20		✓
Acrolein (Acrylaldehyde)	100	not resistant	
Acrylamide	50		✓
Acrylic Acid	25		✓
Acrylic Acid	100	not resistant	
Acrylic Latex	All	TW, 6 Rosa, 6N	✓
Acrylonitrile	7		✓
Acrylonitrile	100	not resistant	
Acrylonitrile Latex dispersion	2		✓
Activated Carbon Beds, Water Treatment		TW	✓
Adipic Acid (1.5 g sol. in water at 25C, sol. hot water)	23		✓
Air (max. surface temperature of the FRP)			✓
Alachlore, Herbicide	All	3	
Alcohol, Amyl	100	6N	✓
Alcohol, Butyl	100	6N	✓
Alcohol, Ethyl	95	6N	✓
Alcohol, Isodecyl	100	6N	✓
Alcohol, Propyl	100	6N	✓
Alkyl (C8-C10) Dimethyl Amine	100	3	✓
Alkyl (C8-C18) Chloride	> 0.5	6N	✓
Alkyl Benzene Sulfonic Acid <6>	> 0.5		✓
Alkyldiphenyloxide Disulfonate (Surfactant type: Anionic)	All		✓
Alkyl Toly Trimethyl Ammonium Chloride			✓
Allyl Alcohol	100	6N	
Allyl Chloride	100		✓
Alpha-Oleum Sulfates	100		✓
Alpha-Methylstyrene	100	6N	✓
Alum	Saturated		✓
Alumina Hydrate	All		✓

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Aluminum Chloride	Saturated		✓
Aluminum Chlorohydrate	> 0.5		✓
Aluminum Chlorohydrate/ Hydrochloric Acid	> 0.5 / <15		✓
Aluminum Chlorohydroxide	50		✓
Aluminum Fluoride	All		✓
Aluminum Hydroxide	100		✓
Aluminum Nitrate	> 0.5		✓
Aluminum Potassium Sulfate	Saturated		✓
Aluminum Sulfate	Saturated		✓
Aluminum Sulfate Reactor	> 0.5		✓
Amine Salts	All		✓
Amino Acids	All		✓
Ammonia	Liquid Gas	not resistant	
Ammonia Gas	100		✓
Ammonium Acetate	> 0.5		✓
Ammonium Hydroxide	6 - 20		✓
Ammonium Hydroxide	30		✓
Ammonium Lauryl Sulfate	0.5 - 30		✓
Ammonium Ligno Sulfonate	0.5 - 50		✓
Ammonium Nitrate	Saturated		✓
Ammonium Persulfate	> 0.5		✓
Ammonium Phosphate, dibasic	> 0.5		✓
Ammonium Thiosulfate	All		✓
Amyl Acetate	> 0.5	6N	
Amyl Alcohol	100	6N	✓
Amyl Alcohol, Vapor	100	6N	✓
Amyl Chloride	100	6N	✓
Aniline	20		✓
Aniline	100	not resistant	
Aniline Hydrochloride	> 0.5		✓
Aniline Sulfate	> 0.5		✓
Animal Fat	100	3, 6N	
Anionic Surfactant	All		✓
Anodize (15% Sulfuric acid)			✓
Antimony Pentachloride	> 99		✓
Aromatic Naphtha/ Naphthalene/ Isopropanol	60/5/10	6N	
Arsenic Acid	> 0.5		✓
Arsenic Acid/ Copper Sulfate/ Sodium Dichromate	17/37/20		✓
Arsenic Pentoxide/ Copper Oxide/ Chromic Acid	17/9/24		✓
Arsenious Acid	19°Be		✓
Barium Bromide	> 0.5		✓
Barium Carbonate (slurry)	All		✓
Barium Chloride	> 0.5		✓

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Barium Cyanide	> 0.5		✓
Barium Hydroxide	> 0.5		✓
Barium Sulfate	Saturated		✓
Barium Sulfide	> 0.5		✓
o-Benzoyl Benzoic Acid	All		✓
Benzaldehyde	100	not resistant	
Benzene	100	6N	
Benzene, 50°C/120°F	100	not resistant	
Benzene Sulfonic Acid	> 0.5		✓
Benzene, Vapor		6N	
Benzene/ Methyl Tertiary Butyl Ether	80/20	6N	
Benzene/Ethyl Benzene/Toluene/ Trimethyl Benzene/ Xylene	All	6N	
Benzene: Ethylbenzene	33/67	6N	
Benzenesulfonyl Chloride	100	not resistant	
Benzoic Acid	Saturated		✓
Benzyl Alcohol	20	6N	✓
Benzyl Alcohol	100	6N	
Benzyl Chloride	100	6N	
Benzyltrimethylammonium Chloride	60		✓
Borax	> 0.5		✓
Boric Acid	> 0.5		✓
Boron Trichloride Scrubbing	> 0.5		✓
Brake Fluids	100		✓
Brine, Salt	> 0.5		✓
Bromine, Dry Gas	100		✓
Bromine, Liquid	100	not resistant	
Brown Stock			✓
Bunker C Fuel Oil (heavy fraction)	100	6N	✓
Butadiene (Gas)	100		✓
Butane	100	6N	✓
Butanol	100	6N	✓
Butyl Acetate	100	6N	
Butyl Acrylate	100	6N	
Butyl Alcohol	100	6N	✓
Butyl Alcohol/ Benzene	93/4	6N	
Butyl Amine	100	3	
Butyl Benzoate	70	6N	
Butyl Benzyl Phthalate	100	6N	✓
Butyl Chloride	0.1-100	6N	
Butyl Hypochlorite	98	not resistant	
Butyl Stearate (5% in Mineral Spirits)		6N	
Butylene Glycol	100	6N	✓
Butylene Oxide	100	not resistant	
Butyraldehyde	100	not resistant	

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Butyric Acid	0.5 - 50		✓
Butyric Acid	100		✓
Cadmium Chloride	> 0.5		✓
Cadmium Cyanide Plating Bath, (3% Cadmium Oxide, 10% Sodium Cyanide, 1.2% Sodium Hydroxide)			✓
Calcium Bisulfite	> 0.5		✓
Calcium Bromide	> 0.5		✓
Calcium Carbonate (slurry)	All	6N	✓
Calcium Chlorate	> 0.5	6N	✓
Calcium Chloride	> 0.5	6N	✓
Calcium Chloride	Saturated	6N	✓
Calcium Hydroxide	100	6N	✓
Calcium Hydroxide Slurry	0.5 - 25	6N	✓
Calcium Hypochlorite	All		✓
Calcium Nitrate	> 0.5		✓
Calcium Sulfate Slurry	All		✓
Calcium Sulfite	> 0.5		✓
Capric Acid (Decanoic Acid)	> 0.5		✓
Capric Acid/ Lauric Acid/ Fatty Acids (C10-C18)	70/15/15		✓
Caproic Acid (Hexanoic Acid)	100		✓
Caprolactam	0-50		✓
Caprolactam	100	not resistant	
Caprolactone	100	not resistant	
Caprylic Acid (Octanoic Acid)	100		✓
Carbon Dioxide Gas	All		✓
Carbon Disulfide	100	not resistant	
Carbon Disulfide Fumes, no condensation or coalescence	All		✓
Carbon Monoxide Gas	All		✓
Carbon Tetrachloride	100		✓
Carbon Tetrachloride, vapor	All		✓
Carboxyethyl Cellulose	10	TW, 6N	✓
Cashew Nut Oil	100	6N	
Castor Oil (Ricinus Oil)	100	6N	✓
Cetyl alcohol (hexadecanol)	100	6N	✓
Chlordimeform Insecticide	100		✓
Chloric Acid	All		✓
Chlorinated Brine, pH < 2.5	Saturated		✓
Chlorinated Brine, pH > 9 (Hypochlorite),	Saturated		✓
Chlorinated Pulp	All		✓
Chlorinated Wax	All	6N	✓
Chlorination Washer (Hoods & Vent Systems)	Vapors, All		✓
Chloroacetic Acid	< 85		✓
Chlorobenzene	100	not resistant	

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Chlorofluorocarbon : R-11 (Trichlorofluoromethane), R-12 (Dichlorodifluoromethane)	100		✓
Chlorofluorocarbon : CFC-113(Trichlorotrifluoroethane)			✓
Chloroform	100	not resistant	
Chloroform, Fumes, no condensation or coalescence	fumes		✓
Chloroform/ Dichloroethane/ Methylene Chloride	All		
Chloropentane (1 to 5 Cl)	100	6N	✓
Chloropicrin (Nitrochloroform)	100	not resistant	
Chlorosulfonic Acid	10	not resistant	
Chlorotoluene	100		✓
N-Chloro-o-Tolyl (insecticide emulsion)	10		✓
Choline Chloride	> 0.5		✓
Chrome Bath, 19% Chromic Acid with Sodium Fluorosilicate and Sulfate			✓
Chrome Reduction Process	25		✓
Chromic Acid	0.5 - 20		✓
Chromic Acid	30	not resistant	
Citric Acid	> 0.5		✓
Cobalt Chloride	> 0.5		✓
Cobalt Nitrate	> 0.5		✓
Coconut Oil	100	6N	✓
Cod-liver Oil	100	6N	
Copper Sulfate	Saturated		✓
Corn Oil	100	6N	✓
Corn Starch	Slurry	6N	
Corn Sugar/Syrup (Glucose)	All	6N	
Cottonseed Oil	100	6N	✓
Crude Oil, Sweet, Sour	100	6N	✓
Cumene	100		✓
Cumene/ Toluene/ Xylene	All		✓
Cyanuric Acid	All		✓
Cyanuric Chloride	All		✓
Cyclohexane	100	6N	✓
Cyclohexylamine	100	3	
Cyclopentane	100	6N	✓
Decanoic Acid	> 0.5		✓
Decanol	100	6N	✓
Deionized Water	100	TW	✓
Demineralized Water	100	TW	✓
De-waxed Paraffin Distillate	100	6N	✓
Diacetone Alcohol	10	3, 6N	✓
Diacetone Alcohol	100	3, 6N	
Diallyl Phthalate	All	6N	
Diammonium Phosphate	> 0.5		✓
Dibromonitrilo-Propionamide	100	not resistant	

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Dibromophenol	100	not resistant	
Dibromopropane	100	not resistant	
Dibutyl Carbitol (diethylene glycol dibutyl ether)	100	6N	✓
Dibutyl Ether	100	6N	
Dibutyl Sebacate	100	6N	
Dibutyl Phthalate	100	6N	
Dichlorobenzene (ortho and para)	100	not resistant	
Dichloroethane	100	not resistant	
Dichloroethylene	100	not resistant	
Dichloromethane (Methylene Chloride)	100	not resistant	
Dichloropropane	100	6N	
Dichloropropene	100	6N	
Dichloropropionic Acid	100	not resistant	
Dichlorotoluene	100		✓
Diesel Fuel	100	6N	✓
Diethanolamine	100	3	✓
Diethanolamine/ Ethanolamine	80/20	3	✓
Diethyl Carbonate	100	6N	
Diethyl Ether	100	6N	
Diethyl Formamide	20		✓
Diethyl Formamide	100	not resistant	
Diethyl Hydroxylamine	100	3	
Diethyl Ketone	20	6N	✓
Diethyl Ketone	100	6N	
Diethyl Sulfate	100		✓
Diethylamine	20	3	✓
Diethylamine	100	3	
Diethylaminoethanol	100	3	✓
Diethylbenzene	100	6N	✓
Diethylene Glycol	100	6N	✓
Diethylene Glycol Dimethylether	20	6N	✓
Diethylene Glycol Dimethylether	100	6N	
Diethylene Glycol n-Butyl Ether	100	6N	✓
Diethylene Glycol Methyl Ether CAS N°111-77-3	100	6N	
Diethylenetriaminepentaacetic acid	All		✓
Diethylenetriaminepentaacetic acid, sodium salt	40		✓
Di-2-Ethylhexyl Phosphoric Acid (DEHPA) in Kerosene	20	6N	✓
Diglycolamine (Aminoethoxyethanol)	20	3	✓
Diglycolamine (Aminoethoxyethanol)	50	3	✓
Diglycolamine (Aminoethoxyethanol)	100	3	
Diisobutyl Ketone	100	3	
Diisobutyl Phthalate	100	6N	✓
Diisobutylene	100		✓
Diisonoyl Phthalate	100	3	✓
Diisopropanolamine	100	3	✓

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Dimethyl Acetamide	20		✓
Dimethyl Acetamide	100	not resistant	
Dimethyl Amine	20		✓
Dimethylammonium Hydrochloride (Dimethylamine HCl)	70		✓
2,4-D, Dimethylamine salt	67		✓
Dimethyl Aniline	100	not resistant	
Dimethylcarbonate	100	not resistant	
Dimethylethanolamine	100		✓
Dimethylformamide	20		✓
Dimethylformamide	100	not resistant	
Dimethylformamide/ Acetonitrile/ Methanol	26/9/7	not resistant	
Dimethyl Morpholine	100	not resistant	
Dimethyl Phthalate	100		✓
Dimethyl Sulfate	20		✓
Dimethyl Sulfate	100	not resistant	
Dimethyl Sulfide	100	not resistant	
Dimethyl Sulfoxide (DMSO)	20		✓
Dimethyl Sulfoxide (DMSO)	100	not resistant	
2,2-Dimethyl Thiazolidine	1		✓
Dioctyl Phthalate	100	6N	✓
Diphenylmethane-4,4-Diisocyanate (MDI)	100	6N	
Diphenyl Oxide (Diphenyl Ether, Phenyl Ether)	100	6N	✓
Dipotassium phosphate	> 0.5	6N	✓
Dipropylene Glycol	100	6N	✓
Distilled Water	100	TW	✓
Divinylbenzene	100	6N	✓
Dodecanol (Lauryl Alcohol)	100	6N	✓
Dodecene	100	6N	✓
Dodecyl Benzene Sulfonic Acid	100		✓
Dodecyldimethylamine	100		✓
Dodecylmercaptan	100		✓
DOWTHERM* Heat Transfer Agent	100		✓
Epichlorohydrin	100	not resistant	
Epoxidized Castor Oil	100	6N	
Epoxidized Soybean Oil	100	6N	✓
Esters, Fatty Acid	100	6N	✓
Ethanol (Ethyl Alcohol)	10	6N	✓
Ethanol (Ethyl Alcohol)	50	6N	✓
Ethanol (Ethyl Alcohol)	90-95	6N	✓
Ethanol (Ethyl Alcohol)	100	6N	
Ethanol/ Ethylacetate/ Methanol/ DMF	35/29/10/	not resistant	
Ethanolamine	20	3	✓
Ethanolamine	100	3	✓
Ethoxy Acetic Acid	100	not resistant	

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Ethoxylated Alcohol, C12-C14	100	6N	✓
Ethoxylated Alkyl Amines, C12 and higher	100	3	✓
Ethoxylated Nonyl Phenol	100	not resistant	
Ethyl Acetate	100	6N	
Ethyl Acetate, Fumes, no condensation or coalescence	fumes	6N	✓
Ethyl Acetate/ Sodium Hydroxide	4/0-50		✓
Ethyl Acrylate	100	6N	
Ethyl Amine	70		✓
Ethyl Benzyl Chloride	100		✓
Ethyl Bromide	100		✓
Ethyl Chloride	100		✓
Ethyl Ether	100		✓
Ethyl Sulfate	100		✓
2-Ethylhexyl Alcohol	100	6N	✓
Ethyl-3-Ethoxy Propionate	100	6N	
Ethylbenzene	100	6N	✓
Ethylbenzene: Benzene	67/33	6N	
Ethylene Chlorohydrin	20		✓
Ethylene Chlorohydrin	100		✓
Ethylene Diamine	20		✓
Ethylene Diamine	100	not resistant	
Ethylene Dibromide	100	not resistant	
Ethylene Glycol	100	6N	✓
Ethylene Glycol based Coolants	> 0.5		✓
Ethylene Glycol n-Butylether: Ethanol, 2-butoxy	20	6N	✓
Ethylene Glycol n-Butylether: Ethanol, 2-butoxy	100	6N	✓
Ethylene Glycol/Sulfuric Acid	0-40/0-10	6N	✓
Ethylene Oxide	100	not resistant	
Ethylenediaminetetraacetic Acid (EDTA)	All		✓
Ethylenesulfonic acid, sodium salt	All		✓
Eucalyptus Oil	100		✓
Fatty Acid/ Sterol/ Triglyceride	All		✓
Fatty Acid/ Sulfuric Acid	5:2		✓
Fatty Acids	All		✓
Ferric Acetate	All		✓
Ferric Chloride	> 0.5		✓
Ferric Sulfate	> 0.5		✓
Ferrous Chloride	> 0.5		✓
Formaldehyde	All		✓
Formaldehyde/Methanol	0-37/0-15		✓
Formamide	20		✓
Formamide	100		✓
Formic Acid	10 - 85		✓
Fuel C (50/50 Isooctane/Toluene)	100	6N	

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Fuel C / Methyl t-Butyl Ether (MTBE)	85:15	6N	
Fuel Oil	100	6N	✓
Furfural	0 - 10		✓
Furfural	100	not resistant	
Furfural in organic solvent	0 - 20	not resistant	
Furfural/ Acetic Acid/ Methanol	30/10/5	not resistant	
Furfuryl Alcohol	20	6N	✓
Furfuryl Alcohol	100	6N	
Gallic Acid	Saturated		✓
Gasohol (1-100% Alcohol)	100	6N	
Gasoline, no alcohol	100	6N	
Glucose	100	6N	
Glutamic Acid	50		✓
Glutaraldehyde	50		✓
Glutaric Acid	50		✓
Glycerine	100	6N	✓
Glycine and derivatives	All	6N	✓
Glycol	100	6N	✓
Glycolic Acid (Hydroxyacetic acid)	70		✓
Glyconic Acid	50		✓
Glyoxal	40		✓
Heptane	100	6N	✓
Hexachloroethane	100	6N	
Hexadecanol	100	6N	✓
Hexamethylenetetramine	40	3	✓
Hexane	100	6N	✓
Hexanoic Acid	100		✓
Hydraulic Fluid (Glycols)	100		✓
Hydriodic Acid	57		✓
Hydrobromic Acid	< 62		✓
Hydrobromic Acid/ Bromine	40/2		✓
Hydrochloric Acid	37		✓
Hydrochloric Acid/ Ferric Chloride/ Organics	28/35/1	not resistant	
Hydrochloric Acid/ Ferrous Chloride	1-20/0-29		✓
Hydrochloric Acid/ Formaldehyde	25/3	not resistant	
Hydrochloric/ Hydrofluoric/ Phosphoric Acid, Nitrobenzene	15/1/1/0.5	not resistant	
Hydrofluoric/ Nitric Acid	3-5/30-35	not resistant	
Hydrogen Sulfide	100		✓
Hydrogenated tallow alkyl amine (C8-C18)	100	3	
Hydroxyacetic Acid (Glycolic Acid)	20		✓
Hydroxyacetic Acid (Glycolic Acid)	70		✓
Hypochlorous Acid			
Hypophosphorous Acid	0-50		✓
Imidazoline Acetate/Solvent	20		✓

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Imidazoline Acetate/Solvent	60	not resistant	
Iodine, Crystals	100		✓
Iodine, Vapor	100		✓
Isoamyl Alcohol	100	6N	✓
Isobutyl Alcohol	100	6N	✓
Isodecanol	100	6N	✓
Isononyl Alcohol	100	6N	✓
Isooctyl Adipate	100	6N	✓
Isooctyl Alcohol	100	6N	✓
Isopropanol Amine	100	3	✓
Isopropyl Alcohol (Isopropanol)	100	6N	✓
Isopropyl Amine	0.5-50	3	✓
Isopropyl Palmitate	100	6N	✓
Itaconic Acid	0.5-40		✓
Jet Fuel, General	100	6N	✓
Kerosene	100	6N	✓
Lactic Acid	All		✓
Latex (Emulsion in Water)	All	6N	✓
Lauroyl Chloride	100	6N	
Lauryl Alcohol	100	6N	✓
Lauryl Chloride	100	6N	✓
Lauryl Mercaptan	100	6N	✓
Lignin Sulfonate	All		✓
Lime Slurry (see Calcium Hydroxide)		TW, 6N	
Limestone Slurry (see Calcium Carbonate)	All	TW, 6N	✓
Linseed Oil	100	6N	✓
Liquid Petroleum Gas (LPG)	100		✓
Lithium Bromide	Saturated		✓
Lithium Chloride	> 0.5		✓
Lithium Hydroxide	All		✓
Magnesium Bisulfite	> 0.5		✓
Magnesium Chloride	Saturated		✓
Magnesium Hydroxide	> 0.5		✓
Magnesium Nitrate	All		✓
Magnesium Phosphate	> 0.5		✓
Magnesium Sulfate	Saturated		✓
Magnesium Sulfate, Phosphoric Acid	1-40/0-36		✓
MDI, see Diphenylmethane-4,4-Diisocyanate	100	6N	
Melamine Formaldehyde Resin	All		✓
Mercaptoacetic Acid	All	not resistant	
Mercuric Chloride	> 0.5		✓
Mercurous Chloride	> 0.5		✓
Mercury	100		✓

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Metal Pickling Solutions	0.5-15		✓
Methacrylic Acid	25		✓
Methacrylic Acid	100	not resistant	
Methane / Nitrogen	70/30		✓
Methane Sulfonic Acid	20-100	not resistant	
Methanol (Methyl Alcohol)	5	6N	✓
Methanol (Methyl Alcohol)	20	6N	
Methanol/Formaldehyde	0-15/0-37		✓
Methanol/Formaldehyde	35/4	not resistant	
1-Methoxy-2-Propanol	100	6N	
Methyl Acetate	20	6N	✓
Methylamine	20		✓
Methyl Bromide	10		✓
Methyl Bromide	100	not resistant	
2-Methyl-3-Butenenitrile	All		✓
Methyl Butyl Ketone, includes Methyl t- Butyl Ketone and other Isomers	100	3	✓
Methyl Chloride, Gas	All		✓
Methyldiethanolamine	100		✓
Methyl Distearyl Ammonium Chloride/ Isopropanol	75/25		✓
Methylene Chloride	100	not resistant	
Methyl Ethyl Ketone	20	3	✓
Methyl Ethyl Ketone	100	3	
Methyl Ethyl Ketone, 2-Butanol, Triethylamine, 2- Butoxy Ethanol	<25 Total	3	
Methyl Formate	5		✓
Methyl Isobutyl Ketone (MIBK)	100	3	✓
Methyl Methacrylate	All	6N	
N-methyl-2-pyrrolidone	100	not resistant	
Methylstyrene (alpha)	100	6N	✓
Methyl t-Butyl Ether	100	6N	
Methyl t-Butyl Ether (MTBE) / Fuel C	15:85	6N	✓
Mineral Oils, aliphatic	100		✓
Monochlorobenzene	100	not resistant	
Monomethylhydrazine	100	not resistant	
Morpholine/ Cyclohexylamine	All	not resistant	
Morpholine	20		✓
Motor Oil	100	6N	✓
Myristic Acid	100		✓
Naphtha	100		✓
Naphtha, Heavy Aromatic	100	6N	
Naphthalene	100	6N	✓
Neutralizer & Desmut	All		✓
Nickel Chloride	> 0.5		✓

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Nickel Nitrate	> 0.5		✓
Nickel Sulfamate	All		✓
Nickel Sulfate	> 0.5		✓
Nitric Acid	0-5	6N	✓
Nitric Acid	6-40		✓
Nitric Acid	36-40	not resistant	
Nitric Acid	70	not resistant	
Nitric Acid/ Hexavalent Chrome (Chromic Acid)	10/5		✓
Nitric Acid/ Hydrogen Peroxide/ Hydrofluoric Acid	30/5/0.5		✓
Nitric/ Hydrofluoric	25/3		✓
Nitric/ Hydrofluoric Acid	20/6		✓
Nitric/ Phosphoric Acid	24/23		✓
Nitric/ Sulfuric Acid	20/20		✓
Nitric/ Sulfuric/ Phosphoric Acid	20/5/2		✓
Nitric/Phosphoric Acid	5/5	6N	✓
Nitrobenzene	100	not resistant	
Nitrophenol		not resistant	
N-methyl-2-pyrrolidone	100	not resistant	
Octanoic Acid	100		✓
Oil, Sweet and Sour, Crude	100	6N	✓
Oleum (Fuming Sulfuric)		not resistant	
Olive Oils	100	6N	
Oxalic Acid	Saturated		✓
Peanut Oil	100	6N	
Pentabromo diphenyl oxide	100		✓
Pentachlorophenol	All		✓
Peracetic Acid	20		✓
Peracetic Acid	35	not resistant	
Perchloric Acid	10		✓
Perchloric Acid	30		✓
Perchloroethylene	100		✓
Perchloroethylene / Methyl chloroform	75/25		✓
Phenol (Carbolic Acid)	0 - 2	6N	✓
Phenol (Carbolic Acid)	5	6N	
Phenol (Carbolic Acid)	>6	not resistant	
Phenol Formaldehyde Resin	All		✓
Phenol Sulfonic Acid	All		✓
Phenol/ Methanol/ Anionic Detergent	15/10/20	not resistant	
Phosphoric Acid	0.5 - 85	6N	✓
Phosphoric Acid	85 - 100		✓
Phosphoric Acid (Polyphosphoric Acid)	115	6N	✓
Phosphoric Acid/ Gypsum	61/39	6N	✓
Phosphoric Acid/ Sulfuric Acid	85/15		✓
Phosphoric Acid/ Tributyl Phosphate/ Hydrofluoric Acid	88/0.1/0.03		✓

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Phosphoric Acid/ Zinc Chloride	100/0.5-70		✓
Phosphoric Acid/ Hydrochloric Acid	15:9		✓
Phosphoric Acid / Sulfuric Acid	0-25/0-25	6N	✓
Phosphoric/ Sulfuric/ Hydrofluoric Acid <	0-75/1/0-3		✓
Phosphorous Acid	70		✓
Phosphorus Oxychloride	100	not resistant	
Phosphorus Trichloride	100	not resistant	
Phthalic Acid	All		✓
Picric Acid (Alcoholic)	10		
Pine Oil	100	6N	✓
Polyacrylamide	All		✓
Polyacrylic Acid	All		✓
Polyethylene Glycol	100	6N	✓
Polyethylene glycol methyl ether	100	6N	
Polyethyleneimine	All		✓
Polyphosphoric Acid 115% H <sub>3</sub> PO <sub>4</sub> (See phosphoric acid)		6N	
Polyvinyl Acetate Adhesives	All	6N	✓
Polyvinyl Alcohol	100	6N	✓
Polyvinyl Chloride Latex with 35 parts Dioctyl Phthalate	All	6N	✓
Potassium Aluminum Sulfate	Saturated		✓
Potassium Bicarbonate	> 0.5		✓
Potassium Bromide	> 0.5		✓
Potassium Carbonate	0 - 50		✓
Potassium Carbonate/ Boric acid/ Potassium Metavanadate	20/4/1		✓
Potassium Chloride	> 0.5		✓
Potassium Nitrate	> 0.5		✓
Potassium Oxalate	All		✓
Potassium Sulfate	> 0.5		✓
Propane	100	6N	✓
Propanol (n-)	100	6N	✓
Propionic Acid	0-50		✓
Propionic Acid	100	not resistant	
Propionyl Chloride	100	not resistant	
Propyl Acetate	100	6N	
Propyl Bromide	100	not resistant	
Propyl Chloride	100	6N	
Propylene Glycol	100	6N	✓
Propylene Glycol Methyl Ether, 2-Propanol,1- Methoxy	100	6N	
Propylene Glycol Methyl Ether Acetate; CAS N°108-65-6	20	6N	✓
Propylene Glycol Methyl Ether Acetate; CAS N°108-65-6	100	6N	
Propylene Glycol/ Ethoxylated Fatty Alcohols/ Diethylene Glycol n-Butyl Ether	60/20/20	6N	✓
Propylene Glycol/ Monoethanolamine	0-99/1	6N	✓
Propylene Oxide	100	not resistant	

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Pyridine	20		✓
Pyridine	100	not resistant	
Quaternary Amine Salts	> 0.5		✓
Quinoline	20		✓
Red Liquor	All		✓
Salt Brine	Saturated		✓
Sea Water		Adamastic	✓
Selenious Acid	All		✓
Silver Nitrate	> 0.5		✓
Sodium Acetate	> 0.5		✓
Sodium Alkyd Aryl Sulfonates	All		✓
Sodium Aluminate	All		✓
Sodium Benzoate	All	6N	✓
Sodium Bicarbonate	All	6N	✓
Sodium Bicarbonate: Sodium Carbonate	15:20	6N	✓
Sodium Bifluoride	All		✓
Sodium Bisulfate	> 0.5		✓
Sodium Bisulfite	> 0.5		✓
Sodium Borate	> 0.5		✓
Sodium Bromate	> 0.5		✓
Sodium Bromide	> 0.5		✓
Sodium Carbonate	All		✓
Sodium Carbonate: Sodium Bicarbonate	20:15		✓
Sodium Chlorate, stable	> 0.5		✓
Sodium Chlorate: Sodium Chloride	34:20		✓
Sodium Chloride	> 0.5	Adamastic	✓
Sodium Chromate	> 0.5		✓
Sodium Cyanide	> 0.5		✓
Sodium Dichromate	> 0.5		✓
Sodium Dimethyldithiocarbamate/ Disodium Ethylene Bisdithiocarbamate	0.1-15		✓
Sodium Diphosphate	> 0.5		✓
Sodium Dodecylbenzene Sulfonate	All		✓
Sodium Ferricyanide	> 0.5		✓
Sodium Ferrocyanide	> 0.5		✓
Sodium Fluoride	All		✓
Sodium Fluorosilicate	All		✓
Sodium Gluconate	> 0.5		✓
Sodium Glycolate	> 0.5		✓
Sodium Hexametaphosphate	All		✓
Sodium Hydrosulfide (Sodium Bisulfide)	All		✓
Sodium Hydrosulfite	All		✓
Sodium Hydroxide	All		✓

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Sodium Hydroxide/ Sodium Bisulfite	All		✓
Sodium Hydroxide/Organics (within solubility limits)	8/ traces	6N	
Sodium Hypochlorite (active Chlorine), pH > 11,	0.5-5.25		✓
Sodium Hypochlorite (active Chlorine), pH > 11,	5.25-18		✓
Sodium Lauryl Sulfate	All	6N	✓
Sodium Metabisulfite	> 0.5		✓
Sodium Methylthiocarbamate	All		✓
Sodium Monophosphate	> 0.5		✓
Sodium Myristyl Sulfate	All		✓
Sodium Nitrate	> 0.5		✓
Sodium Nitrite	> 0.5		✓
Sodium Oxalate	> 0.5		✓
Sodium Perchlorate	60		✓
Sodium Persulfate	All		✓
Sodium Phosphate, mono-, di-, tribasic	> 0.5		✓
Sodium Polyacrylate	All		✓
Sodium salt o-phenylphenate (Antimicrobial)	All		✓
Sodium Sarcosinate	40		✓
Sodium Silicate	> 0.5		✓
Sodium Sulfate	> 0.5	6N	✓
Sodium Sulfate/ Sodium Sulfite	> 0.5		✓
Sodium Sulfide	> 0.5		✓
Sodium Sulfite	> 0.5		✓
Sodium Sulphite/ Sodium Hydroxide/ Toluene	22/10/5		✓
Sodium Tartrate	> 0.5		✓
Sodium Tetraborate	All		✓
Sodium Thiocyanate	All		✓
Sodium Thiosulfate	All		✓
Sodium Tripolyphosphate	> 0.5		✓
Sodium Xylene Sulfonate	All		✓
Solvent Extraction Solutions: 3% Isodecanol, 6% Amines tri-C8-C10-alkyl, 91% Kerosene		6N	✓
Solvent Extraction Solutions: 4% Trioctylphosphine Oxide		6N	✓
Sorbitol Solutions	All		✓
Sour Crude Oil (see crude oil)		6N	
Soya Oil	100	6N	✓
Stannic Chloride	> 0.5		✓
Stannous Chloride	> 0.5		✓
Steam, dry, no condensation			✓
Steam, wet, condensation			✓
Stearic Acid	All		✓
Styrene	100	6N	
Styrene Acrylic Emulsion	All	6N	✓

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Styrene-Butadiene Latex	All	6N	✓
Succinonitrile, Aqueous	All		✓
Sugar / Sucrose	All	6N	
Sulfamic Acid	0.5 - 10	6N	✓
Sulfamic Acid	11 - 15		✓
Sulfamic Acid	16 - 25		✓
Sulfamic/ Boric/ Glycolic Acid	0.5-25/0.5-30/0.5-10		✓
Sulfanilic Acid (meta)	> 0.5		✓
Sulfanilic Acid (para)	> 0.5		✓
Sulfated Tall Oil Fatty Acid, see Tall Oil	1-70	6N	
Sulfite/Sulfate Liquors (Pulp Mill)			✓
Sulfonated Detergents	100		✓
Sulfur Chloride	100	not resistant	
Sulfur, Wettable, Fungicide	All		✓
Sulfuric / Nitric/ Phosphoric Acids	0-13/0-11/0-30		✓
Sulfuric Acid	0.5 - 25	6N	✓
Sulfuric Acid	26 - 50	6N	✓
Sulfuric Acid	51 - 75		✓
Sulfuric Acid	76 - 80/180		✓
Sulfuric Acid/ Ammonium Bifluoride	0-75/0.1-3		✓
Sulfuric Acid/ Copper Sulfate	0-25/1-35		✓
Sulfuric Acid/ Copper Sulfate/ Sodium Persulfate/ EDTA	13/12/1/1		✓
Sulfuric Acid/ Hydriodic Acid	60/20		✓
Sulfuric Acid/ Hydrofluoric Acid	25/10		✓
Sulfuric Acid/ Hydrofluoric Acid <	10/10		✓
Sulfuric Acid/ Hydrogen Peroxide	1-20/1-10		✓
Sulfuric Acid/ Hydrogen Peroxide/ Ammonium Sulfate/ Copper Sulfate	10/5/5/5		✓
Sulfuric Acid/ Hydrogen Sulfide	1-50/0-10		✓
Sulfuric Acid/ Methanol	30/5		
Sulfuric Acid/ Nitric Acid	20/5		✓
Sulfuric Acid/ Phosphoric Acid	0-25/0-25		✓
Sulfuric Acid/Hydrochloric Acid	50/15		✓
Sulfuric Acid/Hydrochloric Acid	1-25/1-10		✓
Sulfuric Acid/Hydrofluoric Acid	1-20/3-6		✓
Sulfuric Acid/Hydrofluoric Acid	30-35/3-5		
Sulfuric Acid/Inorganic Salts	0.5-20/0.5-50		✓
Sulfuric Acid/Inorganic Salts	21-50/0.5-20		✓
Sulfuric Acid: Chromic Acid Mixture			✓

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaeater
Sulfuric/ Hydrochloric/ Hydrofluoric / Phosphoric Acids/ Chlorinated Solvents	40/20/5/35/ 1	not resistant	
Sulfuric/ Lactic Acids/ Sodium Sulfate	50/20/0-10		✓
Sulfurous Acid	10		✓
Surfactant, Anionic	All		✓
Tall Oil (Storage)	100	6N	✓
Tall Oil Reactor		6N	✓
Tallow/ Sulfuric Acid	99/1	6N	
Tannic Acid	> 0.5	6N	✓
Tap Water, hard	All	6N	✓
Tap Water, soft	All	6N	✓
Tartaric Acid	> 0.5		✓
t-Butyl Methyl Ether (MTBE)	20	6N	✓
t-Butyl Methyl Ether (MTBE)	100	not resistant	
Tetrabutyltin	100		✓
Tetrachloroethane	100		✓
Tetrachloroethylene (Perchloroethylene)	100		✓
Tetrachloropyridine	100		✓
Tetrahydrofuran	0-5		✓
Tetrahydrofuran	10-100	not resistant	
Tetra-n-Butylammonium Hydroxide	40		✓
Tetra-n-Butylphosphonium Hydroxide,	40		✓
Tetrapotassium Pyrophosphate	0-60		✓
Thionyl Chloride	100	not resistant	
Thiourea	0-50	6N	✓
Titanium Dioxide	All	6N	✓
Titanium Dioxide/ Sulfuric Acid	0-30/30	6N	✓
Titanium Tetrachloride	All		✓
Tobias Acid (2-Naphthylamine-1-Sulfonic)	100		✓
Toluene	100	6N	✓
Toluene Diisocyanate (TDI)	100	6N	
Toluene Sulfonic Acid	> 0.5	6N	✓
Toluene, Fumes, no condensation or coalescence	fumes	6N	✓
Toluidine (o-, p-, m-)	100	not resistant	
Transformer Oils (Ester types)	100	6N	
Transformer Oils (Silicone and Mineral Oils)	100	6N	✓
Tributyl Phosphate	100	6N	✓
Trichloroacetic Acid	85		✓
Trichloroethane	100		✓
Trichloroethylene	100	not resistant	
Tricresyl Phosphate	100		✓
Triethanolamine	100	6N	✓
Triethylamine	All	6N	✓

Storage Product / Chemical Environment	Concentr.	Epoflex	Webaester
Triethylamine/ Triethylamine Hydrochloride/ Hydrochloric Acid	50/20/5		✓
Triethylene Glycol, see Ethylene Glycol		6N	
Trimethyl Ammonium Chloride (Trimethylamine HCl, TMA-HCl)	70		✓
Trimethyl Benzene	100	6N	✓
Trimethylamine	20		✓
Trimethylamine	100		✓
Trimethylene Chlorobromide		not resistant	
Trioctyl Phosphine Oxide: Di 2-Ethylhexyl Phosphoric Acid (DEHPA): Kerosene	4:4:92		✓
Trioctylphosphate	100	6N	✓
Tripropylene Glycol, see Ethylene Glycol		6N	
Trisodium Phosphate	Saturated		✓
Turpentine	100	6N	✓
Urea	All		✓
Urea Formaldehyde Resin	All		✓
Urea: Ammonium Nitrate: Water	35:44:20	6N	✓
Vinegar	100		✓
Vinyl Acetate	20		✓
Vinyl Acetate	100	not resistant	
Vinyl Chloride	100	not resistant	
Vinyl Chloride Fumes, no condensation	All		✓
Vinyltoluene	100		✓
Water Deionized	100	6N	✓
Water Vapor, no condensation, see Flue Gas, dry		6N	
Water Vapor, wet	Saturated		✓
Water, Distilled	100		✓
Water, Sea, Desalination	All	6N	✓
Water, Steam Condensate	100	6N	✓
Water, Tap, hard	100	6N	✓
Water, Tap, soft	100	6N	✓
White Liquor (Pulp Mill)	All		✓
Xylene	100	6N	✓
Zinc Chloride	Saturated		✓
Zinc Electrolyte (Zinc Sulfate, 35g/l Sulfuric Acid)		6N	
Zinc Nitrate	Saturated		✓
Zinc Phosphate (slurry)	> 0.5	6N	✓
Zinc Sulfate	Saturated	6N	✓

This coating guideline gives an indication about the suitability of resins as protection linings for storage tanks. For further technical details like the maximum service temperature and the long term experience about product not listed here feel free to get in contact with us.

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**WOLFTANK**



**adisa**

PRIMERS FOR STEEL, CONCRETE AND  
ASPHALT

**WOLFTANK**



**adisa**

## 1. Description

- **General** Adaflex BG is a solvent-free 2-component epoxy resin with good mechanical and chemical resistance. Adaflex BG shows excellent curing and crosslinking on mineral base surfaces and can be used for any application.
- **Advantages** Adaflex BG is easy to work with and extremely versatile, and can be used as a primer, mortar resin, casting resin and laminating resin.
- **Suitability** On all mineral base-surfaces, such as concrete floors, fibre cement and similar surfaces, for factory buildings, workshops, storerooms, wet and dry rooms, food-processing plants, laboratories, in power stations, in military and civil defence installations etc.

## 2. Specification

- **Mixing ratio** 100 : 45 by weight
- **Pot life** Approx. 30 min at 20°C
- **Hardening** Safe to walk on after 12 hrs at 20°C
- **Recoatibility** Fully load resistant after 7 days (20°C)  
12-48 h (wet in wet approx. 3 h).  
If left for more than 48 hrs, the surface shall be ground to a matt finish, or if used as a primer, sprinkled with silica sand.
- **Density of the mixture** 1.1 kg / dm<sup>3</sup>
- **Colour** Transparent
- **Packaging** Units of 6.9 / 3.15 kg
- **Storage life** 12 months in original saeled containers
- **Hazards information**

Comp. A	Comp. B
Corrosion	Exclamation mark
- **Transport information** Comp. A UN 3082  
Comp. B UN 2735
- **Art. No.** Comp. A W-D0076  
Comp. B W-D0077

### 3. Application

- Subsurfaces Mineral base-surfaces shall be solid, clean and dry. Any cavities in the concrete shall preferably be filled with Klebmörtel. The residual humidity in the concrete shall not exceed 4 %.
  
- Applications As a primer/seal for mineral surfaces.  
Consumption: 200-600 g/m<sup>2</sup>.  
As a laminating resin with suitable grades of glass mats.  
Consumption. 3-3.5 times weight of glass mats.  
As a mortar binding agent: 10% - 16% addition to the following exemplary of sand mixture:
  - 1/3 silica sand 0.1 – 0.3 mm
  - 1/3 silica sand 0.5 – 0.75 mm
  - 1/3 silica sand 0.8 – 1.2 mm
  
- Mixing Add the contents of the comp.B container completely to the comp.A container and mix the combination thoroughly for 3 min. with a stirrer.
  
- Processing Adaflex BG can be rolled, spread, cast or laminated.
  
- Equipment needed Hand-stirring machine or power-drill with stirrer, hot-air blower, possibly a de-humidifier.
  
- Climatic conditions Min. 10°C base-surface temperature; during application and curing. The temperature shall be at least 3°C higher than the dew point.

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
  
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Adaflex BG special is a solvent-free 2-component epoxy resin, with good mechanical and chemical resistance. Adaflex BG special shows excellent curing and crosslinking on mineral base surfaces and can be used for any application.
- **Advantages** Adaflex BG special is used everywhere where certain elasticity is required such as on mastic asphalt surfaces
- **Suitability** As a primer to mastic asphalt and mineral substrates or as a primer for flexible coatings such Adalastic 2000 and as a laminating resin. It achieved excellent liability. Adaflex BG special gray is used as a laminating resin on vertical walls.

## 2. Specification

- **Mixing ratio** 3: 2 by weight
- **Pot Life** Approx. 45 min at 23°C
- **Hardening** Full strength (20°C) after 7 days and walkable after 16 hours
- **Density of the mixture** 1.05 kg / dm<sup>3</sup>
- **Colour** Transparent, grey
- **Packaging** Units of 12 / 8 kg
- **Storage life** 12 months in original saeled containers

**Hazards information**

Comp. A

		
Health Hazard	Exclamation Mark	Environment

Comp. B

		
Corrosion	Exclamation Mark	Environment

- **Transport information** Comp. A UN 3082  
Comp. B UN 2734
- **Art. No.** Comp. A W-D0015  
Comp. B W-D0016

### 3. Application

- Substrates Mineral substrates shall be solid and clean, cavities in concrete should preferably be filled with Epoflex Klebmörtel N. Asphalt surfaces shall be left flushed using a high-pressure cleaner and then be dried.
- Mixing Fill the contents of the container Comp. B completely into the container of Comp. A and mix well with a stirrer for 3 min.
- Processing Adaflex BG Spezial can be rolled, filled and poured each after application with each ordinary tool.
- Equipment needed Hand mixer resp. drill with stirrer, heater.
- Climatic conditions At least 10°C surface temperature during application and curing should never fall below the dew point of 3°C!

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Adaflex FU is a solvent-free 2-component epoxy resin, with good mechanical and chemical resistance. Adaflex FU exhibits excellent wetting properties on mineral base surfaces and can be used for any application.
- **Advantages** Adaflex FU is easy to work with and extremely versatile, as a primer, mortar resin, casting resin and laminating resin.
- **Suitability** As a base coat or adhesive primer on damp concrete and other mineral base surfaces. It possesses excellent adhesive properties, reducing the risk of blistering caused by osmosis.

## 2. Specification

- **Mixing ratio** 2 : 1 by weight
- **Pot life** Approx. 35 mins at 20°C
- **Hardening** Safe to walk on after 12 hrs at 20°C  
Fully load resistant after 7 days (20°C)
- **Recoatibility** 12-48 h (wet in wet approx. 3h).  
If left for more than 48 hrs, the surface shall be grounded to a matt finish, or if used as a primer, sprinkled with silicia sand.
- **Density of the mixture** 1.1 kg / dm<sup>3</sup>
- **Colour** Transparent
- **Packaging** Units of 6 / 3 kg
- **Storage life** 12 months in original sealed containers
- **Hazards information**

Comp. A	Comp. B
 Exclamation mark	 Environment
 Corrosion	 Exclamation mark
- **Transport information** Comp. A UN 3082  
Comp. B UN 2735
- **Art. No.** Comp. A W-D0017  
Comp. B W-D0018

### 3. Application

- Subsurfaces Mineral base-surfaces shall be solid, clean and dry. Any cavities in the concrete shall preferably be filled with *Epoflex Klebmörtel*. A residual humidity in the concrete is tolerated.
- Mixing Add the contents of the comp.B container completely to the comp.A container and mix the combination thoroughly for 3 min. with a stirrer.
- Processing Adaflex FU can be rolled, spread, cast or laminated with standard tools.
- Equipment needed Hand-stirring machine or power-drill with stirrer, hot-air blower, possibly a de-humidifier
- Climatic conditions Min. 10°C base-surface temperature; during application and hardening, the temperature shall be at least 3 °C higher than the dew point!

### 4. Safety Precautions

- Precautions to be observed Safety measures of product specific Material Safety Data sheet apply. County-specific health and safety regulations and legislation apply.
- Liability The information provided above is based on numerous trials and experience over many years. No liability can be accepted in relation to the use of the product described, since the results obtained depend to a large extent on the correct treatment and application of the material.

## 1. Description

- **General** Adagrund is a fast drying 2 components epoxy resin primer with excellent adherence on many surfaces. Adagrund contains anticorrosion pigments and it is prevalently used as primer for polyester-laminate and PU-Elastomers.
- **Advantages** Adagrund is characterised by fast drying at low temperatures and good adherence on steel and mineral surfaces. On plastic materials It is necessary to perform an adhesion testing before.
- **Suitability** As a adhesion primer for EP, UP and PU coatings and laminates.

## 2. Specification

- **Mixing ratio** 4: 1
- **Pot life** 2 hours
- **Hardening** Depending on the temperature + ventilation from 20 to 50 min up to 12 hours.
- **Density of the mixture** 0,35 kg / dm<sup>3</sup>
- **Colour** Red, white
- **Packaging** 3,4 / 0,85 kg  
8 / 2 kg
- **Storage life** 6 months at 20°C in original sealed container
- **Hazards information**

Comp. A

	
Fire	Exclamation mark

Comp. B

		
Fire	Health Hazard	Exclamation Mark
- **Transport information** Comp. A UN 1263  
Comp. B UN 1263
- **Art. No.** Comp. A W-D9123  
Comp. B W-D9124

### 3. Application

- Subsurfaces Mineral base-surfaces shall be clean and dry. Any cavities in the concrete shall preferably be filled with *Epoflex Klebmörtel*. Mineral surfaces shall be sanded, degreased, preferably SA 2.5.
- Structures To be used as a primer.
- Mixing Add the contents of the comp.B container completely to the comp.A container and mix the combination thoroughly for 3 min. with a stirrer. Allow 10 minutes to pre-react before application.
- Processing Apply the material with a brush or roller as thinly as possible and intensively on the prepared substrates. During application and curing shall always be ensure a good air exchange (bottom suction, at least. 3-5 times air changes per hour). A 3M 4251 respirator shall be worn.
- Equipment needed Hand-stirring machine or power-drill with stirrer, hot-air blower, possibly a de-humidifier
- Equipment cleaning Thinner or acetone L208, cured material can only be removed mechanically.
- Climatic conditions Min. 10°C base-surface temperature; during application and hardening, the temperature shall be at least 3 °C higher than the dew point!

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## RESINS FOR TANK LINING

**WOLFTANK**



**adisa**

## 1. Description

- **General** Adalyt GF is a liquid, two-component, vinyl-ester-based coating product, filled with glass flakes. Once cured, the coating is hard, easy to clean and provides a very high resistance to chemicals.
- **Advantages** Adalyt GF is very resistant to hot water up to 80 °C thanks to its special formulation.
- **Suitability** Adalyt GF is used for the protection of steel containers for the storage of chemicals or in contact with hot water.

## 2. Specification

- **Mixing ratio** 100 : 1.5 by weight
- **Pot Life** 30 min at 23°C
- **Density of the mixture** 1.28 kg / dm<sup>3</sup>
- **Recoatibility** The second coat can be applied by spray once the first coat is hardened, but not later than 7 days.
- **Hardening** 72 hours. It is recommended that the coating is tempered for two days at 50°C or above.
- **Consumption** Approx. 0.9-1.1 kg/m<sup>2</sup> for a layer thickness of approx. 0.6 mm
- **Colour** Green
- **Packaging** Units of 18 / 0.27 kg
- **Storage life** 3 months in originally sealed containers

- **Hazards information**

Comp. A

	
Corrosion	Exclamation Mark

Comp. B

	
Corrosion	Exclamation Mark

- **Transport information**

Comp. A UN 1866  
Comp. B UN 3109

- **Art. No.**

Comp. A W-D0944  
Comp. B W-D0945

### 3. Application

- Subsurfaces                      Metal surfaces shall be clean, grease-free and mineral-grid blasted in accordance with SA 3 with a surface roughness of at least 80  $\mu\text{m}$ .
  
- Structures                        Priming coats on steel: none  
Coating :    Two applications of > 0.6 mm per coat.  
                  Total minimum coat thickness 1.2 mm.
  
- Mixing                             Add the weighed amount of hardener completely into the compound A container and thoroughly stir the mixture with a mixer for 3 min.
  
- Processing                        Adalyt GF is specially formulated for application with large airless spray units. Thanks to its excellent creep stability, Adalyt GF does not run even on vertical walls when applied in coatings up to 0.7 mm thick, thus ensuring efficient on-site use. The optimum working temperature for the material is between 20 and 25°C.
  
- Equipment needed                Hand stirrer or drill with stirrer attachment, airless spray unit with transfer ratio of at least 60 : 1, heater capable of heating to 50 °C, possibly a dehumidifier.
  
- Climatic conditions                The steel surface temperature has to be at min. 20°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed      Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
  
- Liability                             The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

### 1. Description

- General Adapox DSF (with fibreglass) is a low solvent coating based on epoxy resins. The coating is developed for airless application.
- Advantages Adapox DSF (with fibreglass) is very easy to clean. Thanks to its good stability it can be applied in layers of 4 mm.
- Suitability It is used to protect steel tanks from corrosion in case of storage of following substances: oils, fuels, chemical solvents and aggressive water. It is used as value conserving lining for underground tanks, in which an additional inner shell is installed as a double wall system.

### 2. Specification

- Mixing ratio 2 : 1 by weight
- Density of the mixture 1.5 kg / dm<sup>3</sup>
- Pot life 50min at 20°C.  
Complete curing 2 days at 20°C / 6 days at 7°C  
Following treatments after ca. 8 - 12h
- Consumption Approx. 6.6 - 7.0 kg/m<sup>2</sup> for 4mm layers
- Colour Transparent (opaque)
- Packaging Units of 16 / 8 kg
- Storage life In original sealed containers: min 1 year at 10-35°C

#### Hazards Information

##### Comp. A

			
Fire	Health Hazard	Exclamation mark	Environment

##### Comp. B

		
Fire	Corrosion	Environment

- Transport information Comp A UN 1263  
Comb B UN 2734
- Art. No. Comp. A W-D00100  
Comp. B W-D00101

### 3. Application

- Substrate  
General surfaces shall be free of foreign matter such as oil, grease, moisture, dust and corrosion (such as rust and zinc compounds).  
Steel surfaces shall be degreased and grid blasted to Sa 2½ with a surface roughness of approximately 60 microns. Subsequent repair can always be performed: the existing coating shall be locally grinded and dusted and then immediately repaired with opaque Universal Flickset.
- Mixing  
Completely pour the contents of Comp. B into the Comp. A container, clean out with rubber spatula and mix thoroughly for 3 min with a stirrer
- Processing  
Adapox DSF is specially formulated for application with airless spray equipment. Thanks to its good stability ADAPOX DSF can be applied on vertical walls with 4 mm layer thickness, allowing an easy site construction work. The optimum workability of the material is achieved by pre-heating the components to 30 ° C.
- Equipment needed  
Hand mixer or drill with a stirrer, airless Sprayer with a ratio of at least 60: 1, and hopper
- Equipment cleaning  
After completion of works, the machine shall again be flushed with a low viscous resin before it can be properly cleaned with the solvent L 208.
- Climatic conditions  
The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed  
Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability  
The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

### 1. Description

- **General** Epoflex 3 is a liquid, two component coating product based on epoxy resin. The cured coating is hard, easy to clean and demonstrates a very good resistance to chemicals.
- **Advantages** Thanks to its special formulation, Epoflex 3 is highly resistant to solvents, even acetone.
- **Suitability** Epoflex 3 is used for the protection of steel containers with an excellent chemical resistance.

### 2. Specification

- **Mixing ratio** 100 : 3 by weight
- **Pot life** 90 min. at 25°C
- **Density of the mixture:** 1.54 kg / dm<sup>3</sup>
- **Curing** 80 °C for at least 14 hours (surface temperature at the base)
- **Consumption** Approx. 1.5-1.7 kg/m<sup>2</sup> for a layer thickness of approx. 0.7 mm
- **Colour** Green
- **Packaging** Units of 15 / 0.45 kg
- **Storage life** 12 months in originally sealed containers

- **Hazards information**

Comp. A

		
Fire	Exclamation Mark	Environment

Comp. B


Exclamation Mark

- **Transport information** Comp. A UN 1263  
Comp. B UN 2735
- **Art. No.** Comp. A W-D0052  
Comp. B W-D0053

### 3. Application

- Substrates                      Metallic substrates shall be clean, grease-free and mineral sandblasted to SA 2 ½ with a surface roughness of 50 µ
- Undercoat                      Priming on steel: none
- Mixing                              Add the whole of the contents of the comp.B container into the comp.A container and mix both together with a stirrer for 3 minutes.
- Processing                        Epoflex 3 is specially formulated for application using large airless spray units. Thanks to the good creep resistance Epoflex 3 does not run off even when applied to vertical walls at a thickness of 0.7 mm and therefore allows efficient use on building sites.
- Equipment needed              Manual stirrer or drill with stirrer. Airless spray unit with a transmission ratio of at least 60:1. Heater which can be heated to 80° C, possibly a dehumidifier.
- Climatic conditions              The steel surface temperature has to be at min. 12°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed      Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability                              The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Epoflex 590 is a liquid, thixotropic, low-solvent, two-component, epoxy resin based coating product. The cured coating is easy to clean, much more elastic than other epoxy resin coatings, yet offers excellent resistance to chemicals.
- **Advantages** Epoflex 590 has a low viscosity, short hardening time and excellent resistance to chemicals.
- **Suitability** Epoflex 590 is used to protect steel containers as well as suitable glass fibre reinforced plastic laminates used in storage or in contact with fuels, various chemicals and solvents.

## 2. Specification

- **Mixing ratio** 5 : 1 by weight
- **Pot life** 40 min. at 23°C
- **Density of the mixture** 1.5 kg / dm<sup>3</sup>
- **Hardening**

Dust dry	23°C	2 h
Walkable	23°C	4 h
Fully hardened	20°C	7 days
- **Consumption** Approx. 1.6 – 1.8 kg/m<sup>2</sup> for an approx. 1 mm thick coat
- **Colour** Green
- **Packaging** Units of 20 / 4 kg
- **Storage life** 12 months at 10 – 35°C in originally sealed containers

**Hazards information**

**Comp. A**

			
Fire	Health Hazard	Exclamation Mark	Environment

**Comp. B**

	
Corrosion	Exclamation Mark

- **Transport information** Comp. A UN 1263  
Comp. B UN 3267
- **Art. No.** Comp. A W-D9134  
Comp. B W-D9135

### 3. Application

- **Subsurfaces** Mineral base-surfaces shall be sound, clean and dry. Any cavities in the concrete shall preferably be filled with Epoflex Klebmörtel. Metal surfaces shall be clean, grease-free and sandblasted in accordance with the Swedish standard SA 2 ½ and a surface roughness of 60 µm.
- **Structures** Priming coats on concrete: Adaflex BG or Adaflex BG laminate  
Priming coats on blasted steel: none
- **Mixing** Add the contents of the comp. B container completely to the comp. A container, clean out if necessary with a rubber spatula and mix the combination thoroughly for 3 min. with a mixer.
- **Processing** Epoflex 590 is specially formulated for application with an airless spray unit. Thanks to its good creep stability Epoflex 590 does not run even when applied in coats of up to 1 to 1.5 mm in thickness on vertical walls, thus enabling efficient on-site working.
- **Equipment needed** Manual agitator and/or drilling machine with mixer, Airless spraying machines, fan heater, air dehumidifier, processing material.
- **Climatic conditions** The steel surface temperature has to be at min. 12°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- **Precautions to be observed** Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- **Liability** The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Epoflex 6 is a liquid, thixotropic, low-solvent, two-component, epoxy resin based coating product. The cured coating is easy to clean, much more elastic than other epoxy resin coatings, yet offers excellent resistance to chemicals.
- **Advantages** Epoflex 6 has a low viscosity, short hardening time and excellent resistance to chemicals.
- **Suitability** Epoflex 6 is used to protect steel containers as well as suitable glass fibre reinforced plastic laminates used in storage or in contact with fuels, various chemicals and solvents.

## 2. Specification

- **Mixing ratio** 2 : 1 by weight
- **Pot Life** 40 min at 23°C
- **Density of the mixture** 1.3 kg / dm<sup>3</sup>
- **Hardening**

Dust dry	23°C	2 h
Walkable	23°C	4 h
Fully hardened	20°C	7 days
- **Consumption** Approx. 1.4 – 1.6 kg / m<sup>2</sup> for an approx. 0.7 mm thick coat
- **Colour** Rosa
- **Packaging** Units of 14 / 7 kg
- **Storage life** 12 months at 10-35°C in originally sealed containers

**Hazards information**

Comp. A

		
Fire	Exclamation mark	Environment

Comp. B

		
Fire	Exclamation mark	Corrosion

- **Transport information** Comp. A UN 1263  
Comp. B UN 2734
- **Art. No.** Comp. A W-D0003  
Comp. B W-D0004

### 3. Application

- Subsurfaces Mineral base-surfaces shall be sound, clean and dry. Any cavities in the concrete shall preferably be filled with Epoflex Klebmörtel. Metal surfaces shall be clean, grease-free and sandblasted in accordance with the Swedish standard SA 2 ½.
- Structures Priming coats on concrete: Adaflex BG  
Priming coats on steel: none
- Mixing Add the contents of the comp. B container completely to the comp. A container, clean out if necessary with a rubber spatula and mix the combination thoroughly for 3 min. with a stirrer.
- Processing Epoflex 6 is specially formulated for application with an airless spray unit. Thanks to its good creep stability Epoflex 6 does not run even when applied in coats of up to 2 mm in thickness on vertical walls, thus enabling efficient on-site working.
- Equipment needed Hand stirrer or drill with stirrer attachment, air-less spray unit, fan heater, dehumidifier if required.
- Climatic conditions The steel surface temperature has to be at min. 12°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

### 1. Description

- General 

Epoflex 6G is a liquid, thixotropic, low-solvent, two-component, epoxy resin based coating product. The cured coating is easy to clean, much more elastic than other epoxy resin coatings, yet offers excellent resistance to chemicals.
- Advantages 

Epoflex 6G has a low viscosity, short hardening time and excellent resistance to chemicals.
- Suitability 

Epoflex 6G is used to protect steel containers as well as suitable glass fibre reinforced plastic laminates used in storage or in contact with fuels, various chemicals and solvents.

### 2. Specification

- Mixing ratio 

5 : 1 by weight
- Pot life 

40 min at 23°C
- Density of the mixture 

1.5 kg / dm<sup>3</sup>
- Hardening
 

Dust dry	23°C	2 h
Walkable	23°C	4 h
Fully hardened	20°C	7 days
- Consumption 

Approx. 1.6 – 1.8 kg / m<sup>2</sup> for an approx. 1 mm thick coat
- Colour 

Beige
- Packaging 

Units of 20 / 4 kg
- Storage life 

12 months at 10-35°C in originally sealed containers
- Hazards information 

Comp. A

			
Fire	Health Hazard	Exclamation mark	Environment

#### Comp. B

	
Corrosion	Exclamation mark

- Transport information 

Comp. A UN 1263  
Comp. B UN 3267
- Art. No. 

Comp. A W-D0001  
Comp. B W-D0002

### 3. Application

- Subsurfaces Mineral base-surfaces shall be sound, clean and dry. Any cavities in the concrete should preferably be filled with Epoflex Klebmörtel. Metal surfaces shall be clean, grease-free and sandblasted in accordance with the Swedish standard SA 2 ½ and a surface roughness of 60 µm.
- Structures Priming coats on concrete: Adaflex BG or Adaflex BG laminate  
Priming coats on blasted steel: none
- Mixing Add the contents of the comp. B container completely to the comp. A container, clean out if necessary with a rubber spatula and mix the combination thoroughly for 3 min. with a mixer.
- Processing Epoflex 6G is specially formulated for application with an airless spray unit. Thanks to its good creep stability Epoflex 6G does not run even when applied in coats of up to 1 to 1.5 mm in thickness on vertical walls, thus enabling efficient on-site working.
- Equipment needed Manual agitator and/or drilling machine with mixer, Airless spraying machines, fan heater, air dehumidifier, processing material.
- Climatic conditions The steel surface temperature has to be at min. 12°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

### 1. Description

- General 

Epoflex 6 G-AB is a liquid, thixotropic, low-solvent, two-component, epoxy resin based coating product.  
The cured coating is easy to clean, much more elastic than other epoxy resin coatings, yet offers excellent resistance to chemicals.
- Advantages 

Epoflex 6 G-AB has a low viscosity, short hardening time and excellent resistance to chemicals.
- Suitability 

Epoflex 6 G-AB is used to protect steel containers as well as suitable glass fibre reinforced plastic laminates used in storage or in contact with fuels, various chemicals and solvents.

### 2. Specification

- Mixing ratio 

5 : 1 by weight
- Pot life 

40 min at 23°C
- Density of the mixture 

1.5 kg / dm<sup>3</sup>
- Hardening at 23°C 

Dust-dry after 2 hrs.  
Walkable after 4 hrs.  
Fully hardened after 7 days
- Consumption 

Approx. 1.6 – 1.8 kg / m<sup>2</sup> for an approx. 1 mm thick coat
- Colour 

Beige
- Packaging 

20 / 4 kg units
- Storage life 

12 months at 10-35°C in originally sealed containers.

#### Hazards Information

##### Comp. A

			
Fire	Health Hazard	Exclamation Mark	Environment

##### Comp. B

	
Corrosion	Exclamation Mark

- Transport information 

Comp. A: UN 3082  
Comp. B: UN 3267
- Art. No. 

Comp. A W-D0042  
Comp. B W-D0043

### 3. Application

- Subsurfaces  
Mineral base-surfaces shall be sound, clean and dry. Any cavities in the concrete shall preferably be filled with Epoflex Klebmörtel. Metal surfaces shall be clean, grease-free and sandblasted in accordance with the Swedish standard SA 2 ½ and a surface roughness of 60 µm.
- Structures  
Priming coats on concrete: Adaflex AB Laminate  
priming coats on steel: none or Adaflex AB Laminate
- Mixing  
Add the contents of the comp. B container completely to the comp. A container, clean out if necessary with a rubber spatula and mix the combination thoroughly for 3 min. with a mixer.
- Processing  
Epoflex 6 G-AB is specially formulated for application with an airless spray unit. Thanks to its good creep stability Epoflex 6 G-AB does not run even when applied in coats of up to 1 to 1.5 mm in thickness on vertical walls, thus enabling efficient on-site working.
- Equipment needed  
Manual agitator and/or drilling machine with mixer, Airless spraying machines, fan heater, air dehumidifier, processing material.
- Climatic conditions  
The steel surface temperature has to be at min. 12°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed  
Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability  
The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

### 1. Description

- General 

Epoflex 6N is a liquid, thixotropic two-component coating product on epoxy resin basis. The hardened coating is easy to clean and shows very good chemical resistance.
- Advantages 

Epoflex 6N distinguishes itself by low viscosity, fast hardening and very good chemical resistance. Epoflex 6 N is especially suitable in storage tanks for fuels, irrespective of the alcohol content used.
- Suitability 

Epoflex 6N is used for protecting steel tanks or concrete surfaces, as well as suitable glass fibre reinforced laminate DOPA<sup>®</sup> 6N when storing or contacting fuels, different chemicals and solvents.

### 2. Specification

- Mixing ratio 

5 : 2 by weight
- Pot life 

40 min at 23°C / 25 min at 35°C
- Density of the mixture 

1.6 kg / dm<sup>3</sup>
- Hardening
 

Dust dry	23°C	2 h
Walkable	23°C	4 h
Fully hardened	20°C	7 days
- Consumption 

Approx. 1.6 – 1.8 kg / m<sup>2</sup> with smooth surfaces and  
Approx. 0.7 mm layer thickness
- Colour 

Violet
- Packaging 

Units of 15 / 6 kg
- Storage life 

12 months at 10-35°C in originally sealed containers
- Hazards information 

Comp. A

			
Fire	Health Hazard	Exclamation mark	Environment

#### Comp. B

	
Corrosion	Exclamation mark

- Transport information 

Comp. A UN 1263  
Comp. B UN 3267
- Art. No. 

Comp. A W-D0061  
Comp. B W-D0062

### 3. Application

- Subsurfaces  
Mineral substrates shall be solid, clean and dry, blow holes in the concrete should preferably be filled with Epoflex Klebmörtel. Metallic substrates shall be clean, grease-free as well as sandblast according to the Swedish standard SA 2 ½.
- Structures  
Base coats on concrete: Adaflex BG  
Base coats on steel: none
- Mixing  
Put the content of container Comp. B completely into the container of Comp. A; if necessary, use a rubber spatula to clean it out and mix everything well for a period of 3 min using a mixer.
- Processing  
Epoflex 6 N has been especially formulated for the application with an Airless spraying machine. Thanks to its good stability, Epoflex 6 N will not even run on vertical walls up to a layer thickness of 2 mm and in this way allows for rational use on construction sites. (Processing temperature 29°C to 33°C)  
Note: A short cleaning should be performed after 8 to 10 containers.
- Equipment needed  
Manual agitator and/or drilling machine with mixer, Airless spraying machines, fan heater, air dehumidifier, if necessary.
- Climatic conditions  
The steel surface temperature has to be at min. 12°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed  
Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability  
The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

### 1. Description

- **General** Epoflex DS is a low-solvent coating based on epoxy resin. Its formulation and consistency allows thick-layer building.
- **Advantages** Epoflex DS is easy to clean. Due to its low viscosity Epoflex DS can be applied to a thickness of 4mm and even more.
- **Suitability** Epoflex DS is used for protecting steel tanks against corrosion when storing special media, such as: Oils, Gas and benzene, chemicals and aggressive water types. Is commonly used for preservation of underground storage tanks where a flexible bag liner is installed as a double wall system.

### 2. Specifications

- **Mixing ratio** 2:1 by weight
- **Density of the mixture** 1.5 kg / dm<sup>3</sup>
- **Pot life** Approx. 50min at 20°C
- **Hardening** 2 days at 20°C / 6 days at 7°C
- **Recoatibility** Approx. 8 - 12h
- **Consumption** Approx. 6.6 - 7.0 Kg/m<sup>2</sup> at 4mm layer thickness  
(These values depend on substrate quality and average layer thickness)
- **Colour** Beige
- **Packaging** Units of 16 / 8 kg
- **Storage life** 12 months at 10-35°C in originally sealed containers
- **Hazards Information**

Comp. A

			
Fire	Health Hazard	Exclamation mark	Environment

Comp. B

	
Corrosion	Exclamation mark
- **Transport information** Comp. A UN 1263  
Comp. B UN 3267
- **Art. No.** Comp. A W-D9105  
Comp. B W-D9106

### 3. Application

- Subsurfaces  
In general the substrate shall be free of impurities such as oils, fats, condensation or dust. Furthermore it needs to be free of corrosion products like rust or zinc components. Concrete surfaces are favourably primed with Adaflex BG or Adaflex FU. Metallic subsurfaces shall be clean, grease-free as well as grid blasted according to the Swedish standard SA 2 ½.  
  
Necessary modifications or repairs can be carried out at all times by sanding the coating locally, freeing it from dust and applying Epoflex Universal Flickset
- Mixing  
Put the content of container Comp. B completely into the container of Comp. A; if necessary, use a rubber spatula to clean it out and mix everything well for a period of 3 min using a mixer.
- Processing  
Epoflex DS has been especially formulated for the application with an Airless spraying machine. Thanks to its good stability Epoflex DS will not run on vertical walls up to a layer thickness of 4 mm, therefore it allows rational use on construction sites. Optimum processing temperature at approx. 35°C.
- Equipment needed  
Manual agitator and/or drilling machine with mixer, Airless spraying machine with a transmission ratio of min. 45:1 as well as filling funnel (material pulling out of container not suitable).
- Equipment cleaning  
The material is set for airless spraying and shall not be diluted. Before spraying application the material shall be warmed up. Optimum results are achieved at approx. 35°C. After spraying the machine shall be cleaned with a diluent.
- Climatic conditions  
The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed  
Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability  
The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Epoflex GF is a liquid, two-component, epoxy resin based coating product containing glass flakes. The cured coating is hard, easy to clean and offers excellent resistance to chemicals.
- **Advantages** Epoflex GF has very high resistance to hot water thanks to its special formulation.
- **Suitability** Epoflex GF is used to protect steel containers for the storage of or in contact with hot water.

## 2. Specification

- **Mixing ratio** 5 : 1 by weight
- **Pot Life** 60 min. at 25°C
- **Density of the mixture** 1.28 kg / dm<sup>3</sup>
- **Hardening** 80 °C for at least 14 hours (surface temperature in the bottom area)
- **Consumption** Approx. 1.2 – 1.5 kg/m<sup>2</sup> for an approx. 0.7 mm thick coat
- **Colour** Green
- **Packaging** Units of 15 / 3 kg
- **Storage life** 12 months in originally sealed containers
- **Hazards information** Comp. A

		
Fire	Exclamation mark	Environment

### Comp. B

			
Skull and Crossbones	Health Hazard	Exclamation mark	Environment

- **Transport information** Comp. A UN 1263  
Comp. B UN 2922
- **Art. No.** Comp. A W-D00107  
Comp. B W-D00108

### 3. Application

- Subsurfaces Metal surfaces shall be clean, grease-free and sandblasted in accordance with SA 2 ½.
- Structures Priming coats on steel: none  
Coating: two applications of 0.7 mm per coat.
- Mixing Add the contents of the comp. B container completely to the comp. A container and mix the combination thoroughly for 3 min. with a stirrer.
- Processing Epoflex GF is specially formulated for application with large airless sprayers. Thanks to the excellent creep resistance, Epoflex GF does not run even when applied in coatings of up to 0.7 mm on vertical walls, thus enabling efficient on-site working.
- Equipment needed Hand stirrer or drill with stirrer attachment, airless sprayer with a pump ratio of 60:1, heater which enables the temperature to be raised to 80°C, dehumidifier if required.
- Climatic conditions The steel surface temperature has to be at min. 12°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Epoflex TW is a liquid, solvent-free, two-component coating on epoxy resin basis. The fully-cured coating is hard, easy to clean and shows very good chemical resistance.
- **Advantages** Epoflex TW was especially developed for drinkable water and liquid food storage and it conform with todays coating standards within this segment.
- **Suitability** Epoflex TW is used for protecting steel tanks or concrete surfaces, as well as glass fibre reinforced lining when storing drinkable water, liquid food and selected chemicals.

## 2. Specification

- **Mixing ratio** 100 : 26 by weight
- **Density of the mixture** 1.2 kg / dm<sup>3</sup>
- **Pot life** 80min. at 20°C  
30min. at 35°C
- **Curing** Workable after 5h
- **Consumption** 1 kg/m<sup>2</sup> at 0.8 mm layer thickness
- **Colour** Ochre / Light grey
- **Packaging** Units of 15 / 3.9 kg
- **Storage life** 12 months at 10 to 35°C in originally sealed containers

- **Hazards information**

Comp. A

		
Health Hazard	Exclamation mark	Environment

Comp. B

			
Skull and Crossbones	Health Hazard	Exclamation mark	Environment

- **Transport information** Comp. A UN 3082  
Comp. B UN 1760
- **Art. No.** Comp. A W-D09147  
Comp. B W-D09148

### 3. Application

- Subsurfaces  
Mineral subsurfaces shall be solid, clean and dry, blow holes in the concrete shall preferably be filled with Epoflex Klebmörtel. Metallic subsurfaces shall be clean, grease-free as well as grid blasting according to the swedish standard SA 2 ½.
- Structures  
Base coats on concrete: Adaflex BG or Adaflex BG – Laminate (Grinding the laminate is essential after >48h)  
  
Base coats on steel: none
- Mixing  
Put the content of container Comp. B completely into the container of Comp. A; if necessary, use a rubber spatula to clean it out and mix everything well for a period of 3 min using a mixer.
- Processing  
Epoflex TW has been especially formulated for the application with an Airless spraying machine. Thanks to its good stability Epoflex TW will not even run on vertical walls and in this way allows for rational use on construction sites.
- Equipment needed  
Manual agitator and/or drilling machine with mixer, Airless spraying machines, fan heater, air dehumidifier.
- Climatic conditions  
The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed  
Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability  
The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## LAMINATION RESINS FOR TANK LINING

**WOLFTANK**



**adisa**

## 1. Description

- **General** Adaflex BG thix is a solvent-free 2-component epoxy resin, with good mechanical and chemical resistance. Adaflex BG thix shows excellent curing and crosslinking on mineral base surfaces and can be used for any application.
- **Advantages** Adaflex BG thix is easy to work with and extremely versatile, as a primer, mortar resin, casting resin and laminating resin.
- **Suitability** On all mineral base-surfaces, such as concrete floors, fibre cement and similar surfaces, for factory buildings, workshops, storerooms, wet and dry rooms, food-processing plants, laboratories, in power stations, in military and civil defence installations etc.

## 2. Specification

- **Mixing ratio** 100 : 45 by weight
- **Pot Life** Approx. 30 min at 20°C
- **Hardening** Safe to walk on after 12 hrs at 20°C  
fully load resistant after 7 days (20°C)
- **Recoatibility** 12-48h (wet in wet approx. h)  
If left for more than 48 hrs, the surface shall be ground to a matt finish, or if used as a primer, sprinkled with silica sand.
- **Density of the mixture** 1.07 kg / dm<sup>3</sup>
- **Colour** Transparent
- **Packaging** Units of 7.07 / 3.15 kg
- **Storage life** 12 months in originally sealed containers
- **Hazards information**

Comp. A	Comp. B
	
Exclamation mark	Environment

Comp. A	Comp. B
	
Corrosion	Exclamation mark
- **Transport information** Comp. A UN 3082  
Comp. B UN 2735
- **Art. No.** Comp. A W-D9107  
Comp. B W-D9108

### 3. Application

- Subsurfaces  
Mineral base-surfaces shall be solid, clean and dry and grid blasted according to SA 2.5. Any cavities in the concrete should preferably be filled with Epoflex Klebmörtel. The residual humidity in the concrete should not exceed 4 %.
- Structures  
As a primer/seal for mineral surfaces.  
consumption: 200-600 g/m<sup>2</sup>, depending on application and surface.  
  
As a laminating resin with suitable grades of glass mats.  
consumption. 3-3.5 x weight of glass mats.  
  
As a mortar binding agent: 10% - 16% addition to the following exemplary.  
  
Sand mixture:           1/3 silica sand 0.1 – 0.3 mm  
(or equivalent)        1/3 silica sand 0.5 – 0.75 mm  
                                  1/3 silica sand 0.8 – 1.2 mm
- Mixing  
Add the contents of the comp.B container completely to the comp.A container and mix the combination thoroughly for 3 min. with a stirrer.
- Processing  
Adaflex BG thix can be rolled, spread, cast or laminated with standard tools.
- Equipment needed  
Hand-stirring machine or power-drill with stirrer, hot-air blower, possibly a de-humidifier.
- Climatic conditions  
The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed  
Safety measures of product specific Material Safety Data sheet apply. County-specific health and safety regulations and legislation apply.
- Liability  
The information provided above is based on numerous trials and experience over many years. No liability can be accepted in relation to the use of the product described, since the results obtained depend to a large extent on the correct treatment and application of the material.

## 1. Description

- **General** Dopi spez. is a liquid, two component product based on epoxy resin with low solvent content. It shows a very good wetting behaviour for glass fibre mats and glass tissue.
- **Advantages** Thanks to its special formulation, Dopi spez. is easy to apply even at walls and over head and has an excellent chemical resistance.
- **Suitability** Dopi spez. was specially developed to install the double wall lining DUPLO.

## 2. Specification

- **Mixing ratio** 2 : 1 by weight
- **Pot life** 30 minutes at 23°C
- **Density of the mixture:** 1.1 kg / dm<sup>3</sup>
- **Curing**

Walkable after	30°C	4 hours
	23°C	5 hours
- **Recoatable** According to temperature after 5 hrs-2 days. If the indicated hardening time is exceeded, the surface needs grinding
- **Consumption** Approx. 1.2-1.4 kg/m<sup>2</sup>
- **Colour** Yellow
- **Packaging** Units of 6 / 3 kg
- **Storage life** 12 months in originally sealed containers
- **Hazards information**

Comp. A

			
Fire	Exclamation mark	Environment	Health Hazard

Comp. B

		
Corrosion	Exclamation mark	Health Hazard
- **Transport information** Comp. A UN 1263  
Comp. B UN 3267
- **Art. No.** Comp. A W-D0805  
Comp. B W-D0806

### 3. Application

- Substrates                      Metallic substrates shall be clean, grease-free and mineral sandblasted to SA 2 ½ with a surface roughness of 50 µm.
- Undercoat                      Priming on steel: none.
- Mixing                            Add the whole of the contents of the comp.B container into the comp. A container and mix both together well with a stirrer for 3 minutes.
- Processing                      Dopi spez. is applied by using a roller and a grooved metal roller at a temperature of 22°C.
- Equipment needed            Manual stirrer or drill with stirrer, roller, grooved metal roller, heating machine and possibly a dehumidifier.
- Equipment cleaning         The equipment shall be cleaned immediately after the application.
- Climatic conditions         The steel surface temperature has to be at min. 8°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed   Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability                         The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

#### 1. Description

- General Epoflex 3 laminating resin is a liquid, two-component, epoxy resin based coating product.  
The cured coating is hard, easy to clean and offers excellent resistance to chemicals.
- Advantages Epoflex 3 laminating resin has very high resistance to solvents, even acetone, thanks to its special formulation.
- Suitability Epoflex 3 laminating resin is processed in conjunction with glass fibre fabric to form laminates used to protect steel containers.

#### 2. Specification

- Mixing ratio 100 : 5 by weight
- Pot Life Approx. 30 min. at 25°C
- Density of the mixture 1.1 kg / dm<sup>3</sup>
- Hardening 80°C for at least 14 hours (surface temperature in the bottom area)
- Consumption Approx. 1.4 – 1.6 kg/m<sup>2</sup>
- Colour Blue
- Packaging Units of 9 / 0,45 kg
- Storage life 12 months in originally sealed containers.
- Hazards information Comp. A

		
Fire	Exclamation mark	Environment

#### Comp. B


Exclamation mark

- Transport information Comp. A UN 1263  
Comp. B UN 2735
- Art. No. Comp. A W-D9109  
Comp. B W-D9110

### 3. Application

- Subsurfaces                      Metal surfaces shall be clean, grease-free and grit blasted in accordance with SA 2 ½.
- Structures                        Priming coats on steel: none
- Mixing                             Before mixing, heat the containers to 30 – 35°C.  
Add the contents of the comp. B container completely to the comp. A container and mix the combination thoroughly for 3 min. with a stirrer.
- Processing                        Epoflex 3 laminating resin is laminated using a roller and air removed from the glass fibre fabric using a fluted roller. Thanks to the thixotropic character, lamination can also be carried out on vertical walls.
- Equipment needed              Hand stirrer or drill with stirrer attachment, roller, fluted roller, heater which enables the temperature to be raised to 80°C, dehumidifier if required.
- Climatic conditions             The steel surface temperature has to be at min. 12°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed    Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability                            The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 2. Description

- **General** Epoflex 6 Laminating resin is a liquid, two component product based on epoxy resin with low solvent content. It shows a very good wetting behaviour for glass fibre mats and glass tissue.
- **Advantages** Thanks to its special formulation, Epoflex 6 Laminating resin is easy to apply even at walls and over head and has an excellent chemical resistance.
- **Suitability** Epoflex 6 Laminating resin was specially developed to use in the systems Dopa 6. Because of its good properties it is used more and more to line catchment throats with high chemical demands.

## 2. Specification

- **Mixing ratio** 2 : 1 by weight
- **Pot life** 30 minutes at 23°C
- **Density of the mixture** 1.1 kg / dm<sup>3</sup>
- **Curing**

Walkable after	30°C	4 hours
	23°C	5 hours
- **Recoatibility** According to temperature after 5 hrs - 2 days.
- **Consumption** Approx. 1.2-1.4 kg/m<sup>2</sup>
- **Colours** Transparent green
- **Packaging** Units of 6 / 3 kg
- **Storage life** 12 months in originally sealed containers
- **Hazards information**

Comp. A

		
Fire	Exclamation mark	Environment

Comp. B

	
Corrosion	Exclamation mark
- **Transport information** Comp. A UN 1263  
Comp. B UN 3267
- **Art. No.** Comp. A W-D0021  
Comp. B W-D0022

### 3. Application

- Substrates                      Metallic substrates shall be clean, grease-free and mineral sandblasted to SA 2 ½ with a surface roughness of 50 µ.
- Undercoat                      Priming on steel: none
- Mixing                              Add the whole of the contents of the comp.B container into the comp. A container and mix both together well with a stirrer for 3 minutes.
- Processing                        Epoflex 6 Laminating resin is applied by using a roller and a grooved metal roller at a temperature of 22°C.
- Equipment needed              Manual stirrer or drill with stirrer, roller, grooved metal roller, heating machine and possibly a dehumidifier.
- Equipment cleaning            The equipment must be cleaned immediately after the application.
- Climatic conditions            The steel surface temperature has to be at min. 8°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed    Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability                            The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Laminating resin Epoflex 6 N is an epoxy resin product which together with suitable glass fibres can be processed into laminates with excellent properties.
- **Advantages** Laminating resin Epoflex 6 N is thixotropic and can also be easily applied to vertical surfaces and overhead. The resin distinguishes itself by very good chemical resistance.
- **Suitability** Laminating resin Epoflex 6 N is used for the DOPA® 6N double-wall system; it can, however, also be used in collection chambers. It is resistant to fuels containing ethanol in all concentrations and many other chemical solvents.

## 2. Specification

- **Mixing ratio** 5: 2 by weight
- **Pot life** 40 min at 23°C
- **Density of the mixture** 1.1 kg / dm<sup>3</sup>
- **Hardening** At 30°C - 4 hrs. / At 23°C - 5 hours
- **Consumption** 1.2-1.4 kg/m<sup>2</sup>
- **Colour** Green
- **Packaging** Units of 7.5 / 3 kg
- **Storage life** 12 months at 10°C - 35°C in originally sealed containers

- **Hazards Information**

Comp. A

		
Fire	Exclamation mark	Environment

Comp. B

	
Corrosion	Exclamation mark

- **Transport information** Comp. A UN 1263  
Comp. B UN 3267
- **Art. No.** Comp. A W-D0063  
Comp. B W-D0064

### 3. Application

- Subsurfaces Steel surfaces shall be sandblasted according to the Swedish standard Sis 05 5900/76 SA 2,5 (metallic blank) and afterwards dedusted. The roughness depth should not be less than 50 $\mu$ .
- Structures Base coats: not required
- Mixing Put the content of container Comp. B completely into the container of Comp. A and mix everything well for a period of 3 min. using a mixer.
- Processing Application and distribution using a synthetic resin roller with a resin temperature of approx. 25°C. Bleed with a grooved roller.
- Equipment needed Manual agitator or drilling machine with mixer, synthetic resin roller, grooved metal roller, fan heater, air dehumidifier, if necessary.
- Equipment cleaning Tools should be cleaned with dissolver L 208 immediately after use; after hardening, the resin can only be removed mechanically.
- Climatic conditions The steel surface temperature has to be at min. 8°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Webaester spez. is a thixotropated, pre-accelerated, epoxide vinyl ester resin with a styrene content of 33%.
- **Advantages** The highly interconnected resin has a high heat shape resistance and a remarkable chemicals resistance, in particular against chlorine-containing media and organic solvents.
- **Suitability** The system is approved as single wall laminate to be applied on steel (floor refurbishment according to EEMUA159) as well as double wall system for tank lining.

## 2. Specification

- **Mixing ratio** 100 : 1 by weight with MEKP
- **Pot life** 20 – 30 min at 20 – 30 °C
- **Density of the mixture** 1.1 kg / dm<sup>3</sup>
- **Curing** Wet on wet – if not possible sandpaper slightly the surface
- **Consumption** 2.75 kg/m<sup>2</sup> for a layer thickness of 2.5 mm
- **Colour** Transparent – other colours at request
- **Packaging** Units of 20 / 0,20 kg
- **Storage life** 6 months at 25°C in originally sealed containers
- **Hazards Information**

Comp. A

	
Health Hazard	Exclamation mark
- **Transport information** Comp. A UN 1263
- **Art. No.** Comp. A W-D0817

### 3. Application

- Subsurfaces Steel surfaces shall be grid blasted and preferably primed. E.g. Adagrund..
- Structures Multilayer laminate
- Mixing Put the content of container Comp. B completely into the container of Comp. A and mix everything well for a period of 3 min using a mixer.
- Processing Application and distribution using a synthetic resin roller with a resin temperature of approx. 25°C. Bleed with a grooved roller.
- Equipment needed Manual agitator or drilling machine with mixer, synthetic resin roller, grooved metal roller, fan heater, air dehumidifier, if necessary.
- Equipment cleaning Tools should be cleaned with *dissolver L 208* immediately after use; after hardening, the resin can only be removed mechanically.
- Climatic conditions The steel surface temperature has to be at min. 8°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## CONDUCTIVE COATINGS

**WOLFTANK**



**adisa**

## 1. Description

- **General** Adacor 6 KS-A is a high-build, conductive, two-component, coating on epoxy resin basis. The hardened coating is antistatic, easy to clean and offers a high chemical resistance.
- **Advantages** Adacor 6 KS-A is coatable with an Airless machine at room temperature. Adacor 6 KS-A is fast drying, shows very good chemical resistance and strong adhesion when coated on prepared steel surface and other substrates.
- **Suitability** Adacor 6 KS-A as an electrically conductive coating is mainly used as corrosion control lining for underground or aboveground petrochemical storage tanks, and as a top coat for GRP linings for surface protection against fuels or other environmentally hazardous storage liquids.

## 2. Specification

- **Mixing ratio** 5 : 1 by weight
- **Pot life** 40 min at 23°C
- **Density of the mixture** Approx. 1.5 kg/dm<sup>3</sup>
- **Hardening**

Dust dry	23°C	2 h
Walkable	23°C	4 h
Fully hardened	20°C	7 days
	30°C	3 – 4 days
	40°C	1.5 – 2 days
- **Consumption** Approx. 1.6 – 1.8 kg/m<sup>2</sup> at approx. 1 mm layer thickness
- **Colour** Black
- **Packaging** Units of 20 / 4 kg
- **Storage life** 1 year at 10-35°C in originally sealed containers
- **Hazards information**

Comp. A

Fire	Health Hazard	Exclamation Mark	Environment

Comp. B

Corrosion	Exclamation Mark
- **Transport information**

Comp. A UN 1263  
Comp. B UN 3267
- **Art. No.**

Comp. A W-D9101  
Comp. B W-D9102

### 3. Application

- Substrate Mineral sub surfaces shall be solid, clean and dry. Blow holes in the concrete shall preferably be filled with Epoflex Klebmörtel. Metallic sub surfaces shall be clean, grease-free as well as sandblast according to the Swedish standard SA 2 ½.
- Structures Base coats on concrete: Adaflex BG or Adaflex BG - Laminate  
Base coats on steel: none
- Mixing Put the content of container Comp. B completely into the container of Comp. A; if necessary, use a rubber spatula to clean it out and mix everything well for a period of 3 min using a mixer.
- Processing Adacor 6 KS-A has been especially formulated for the application with an Airless spraying machine. Thanks to its good stability, Adacor 6 KS-A will not run on vertical walls up to a layer thickness of 1.5 mm and in this way allows for rational use on construction sites. (Processing temperature 29°C to 33°C)  
Note: A short cleaning should be performed after 8 to 10 containers.
- Equipment needed Manual agitator and/or drilling machine with mixer, Airless spraying machines, fan heater, air dehumidifier.
- Climatic conditions The steel surface temperature has to be at min. 12°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Conductivity

- Measuring conditions Measuring voltage: 100 V
- Expected test readings Surface resistance:  $10^5 \Omega$   
Earth resistance:  $10^6 \Omega$

### 5. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Adaflex 109 L is a PU-coating containing a maximum of 20% by weight of solvent.
- **Advantages** Elastic, weather-resistant, resistant to many fuels and solvents.
- **Suitability** Everywhere a conductive, elastic, weather-resistant coating is required, e.g. as a surface sealant for coatings used in containment basins and loading areas.

## 2. Specification

- **Mixing ratio** 4:1 by weight
- **Pot life** 1 hour at 23°C (Gelling time 2 hrs.)
- **Hardening behaviour** 12 - 30°C, a max. of 90% relative humidity  
Resistant to rain-water after 3 hours at 23°C  
and capable of accepting mechanical and chemical stress after 14 days
- **Bulic resistance** 2 - 8 x 10<sup>4</sup> Ohm
- **Surface resistance** On top of Adalastic 2000, 2 - 5 x 10<sup>3</sup>Ohm
- **Consumption** 200 g/m<sup>2</sup> for a dry layer thickness of 100μ
- **Colour** Black
- **Packaging** Units of 8 / 2 kg
- **Storage life** Component A, 12 months and component B, 6 months in originally sealed containers
- **Hazards information**

Comp. A	Comp. B
	
Fire	Exclamation mark
- **Transport information** Comp. A UN 1263  
Comp. B NO ADR
- **Art. No.** Comp. A W-D9125  
Comp. B W-D9126

### 3. Application

- Undercoat Adalastic 2000, Adaplast 120, Adaplast 110  
Steel or galvanised surface primed with a suitable primer.
- Application Use a roller for large areas  
Use a brush for smaller areas
- Mixing 3 minutes with an agitator.
- Climatic conditions 12 - 30°C, a max. of 90% relative humidity.

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Adapox NL is a liquid, thixotropic, conductive, two-component, solvent containing, EP-PU based coating product. The cured coating is conductive, easy to clean, slightly elastic and offers excellent resistance to chemicals.
- **Advantages** Adapox NL reliably dissipates static electrical charges, has a low viscosity, short hardening time and excellent resistance to chemicals.
- **Suitability** Adapox NL is used as a conductive layer on top of Coatings as well as suitable glass fibre reinforced plastic laminates which are used in storage tanks and are in contact with fuels, various easily inflammable chemicals and solvents.

## 2. Specification

- **Mixing ratio** 5 : 1 by weight
- **Pot life** Approx. 5 hours at 25°C
- **Density of the mixture** 1.54 kg/dm<sup>3</sup>
- **Intermediate drying** Min. 12 hours at 25°C, max. 48 hours.
- **Curing**

Fully hardened	30°C	2 days
	20°C	3 – 4 days
	7°C	7 days
- **Consumption** Approx. 0.25 - 0.3 kg/m<sup>2</sup> for a layer thickness of approx. 0.1 mm
- **Colour** Grey
- **Packaging** Units of 7.5 / 1.65 kg
- **Storage** 12 months at 10°C in originally sealed containers
- **Hazards information**

Comp. A		Comp. B	
			
Fire		Fire	Health Hazard
- **Transport information** Comp. A UN 1263  
Comp. B UN 1263
- **Art. No.** Comp. A W-D0942  
Comp. B W-D0943



## 1. Description

- **General** Adapox L is a liquid, thixotropic, conductive, two-component, solvent containing, EP-PU based coating product.
- **Advantages** Adapox L reliably dissipates static electrical charges, has a low viscosity, short hardening time and excellent resistance to chemicals.
- **Suitability** Adapox L is used as a conductive layer on top of Coatings as well as suitable glass fibre reinforced plastic laminates which are used in storage tanks and are in contact with fuels, various easily inflammable chemicals and solvents.

## 2. Specification

- **Mixing ratio** 5 : 1 by weight
- **Pot life** Approx. 5 hrs. at 25°C
- **Density of the mixture** 1.54 kg/dm<sup>3</sup>
- **Intermediate drying** Min. 12 hours at 25°C, max. 48 hours.
- **Curing** 2 days at 30°C / 3-4 days at 20°C / 7 days at 7°C
- **Usage** Approx. 0.25 - 0.3 kg/m<sup>2</sup> for a layer thickness of approx. 0.1 mm
- **Colour** Grey
- **Packaging** Units of 7.5 / 1.65 kg
- **Storage life** 12 months in originally sealed containers
- **Hazards information**

Comp. A


Fire

Comp. B

			
Fire	Health Hazard	Exclamation mark	Environment
- **Transport information** Comp. A UN 1263  
Comp. B UN 1263
- **Art. No.** Comp. A W-D9111  
Comp. B W-D9112

### 3. Application

- Substrates Coatings and metallic substrates shall be clean and grease free. Adapox L can be applied directly on top of Epoflex- and Adaflex products.
- Mixing Add the whole of the contents of the comp.B container into the comp. A container and mix both together well with a stirrer for 3 minutes.
- Processing Adapox L is specially formulated for application using a roller or brush. Thanks to the good creep resistance Adapox L does not run off even when applied to vertical walls and therefore allows efficient use on building sites.
- Equipment needed Manual stirrer or drill with stirrer, fan heater, possibly air dehumidifier.
- Climatic conditions The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Conductivity

- Conductivity Measuring conditions: measured voltage 100V  $10^6 \Omega$   
Expected test readings:
  - surface resistance: approx. 0.2-0.8  $10^3 \Omega$
  - ground leak : approx. 0.2-0.8  $10^4 \Omega$

### 5. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## REPAIR AND LEVELLING PRODUCTS

**WOLFTANK**



**adisa**

## 1. Description

- General Epoflex Klebmörtel N is a solvent-free, 2-component epoxy mortar.
- Advantages Epoflex Klebmörtel N is easy to apply and has ideal application characteristics for levelling of concrete and steel surfaces.
- Suitability Epoflex Klebmörtel N is mainly used for setting up joints and for reprofiling such as corners or fillets in transition areas.

## 2. Specification

- Mixing ratio 3:1 by weight
- Pot life Approx. 40 minutes at 25°C
- Hardening Recoatable after 12h at 25°C  
4-7 days final curing depending on surface temperature
- Colour Grey
- Packaging Units of 15 / 5 kg
- Storage life 12 months at 20°C in originally sealed containers
- Hazards information
 

Comp. A		Comp. B	
			
Exclamation mark	Environment	Corrosion	Exclamation mark
- Transport information Comp. A UN 3082  
Comp. B UN 2735
- Art. No. Comp. A W-D9131  
Comp. B W-D9132

### 3. Application

- Subsurfaces Mineral surfaces shall be solid, clean and dry. Metal surfaces shall be clean, grease-free and preferably grit blasted.
- Structures Primer on concrete: not required  
Primer on steel: not required
- Mixing Add the contents of the Comp. B container completely to the Comp. A container and mix the combination thoroughly for 3 min. with a stirrer.
- Processing Epoflex Klebmörtel is applied by spatula, comb or other standard tools. Can be smoothed out with a solvent-wet brush.
- Equipment needed Hand-stirring machine or power-drill with stirrer, hot-air blower, possibly a de-humidifier.
- Climatic conditions The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Epoflex Universal Flickset is thixotropic, solvent-free, two-component, epoxy resin based repair product that is packed "ready-to-use".
- **Suitability** Epoflex Universal Flickset serves as a repair kit for repair and levelling of pores after surface coating with Epoflex 6G, Epoflex 6 thix and Epoflex 6N. The Properties of the repair kit (Flickset) correspond to those of the basic product Epoflex 6N.

## 2. Specification

- **Mixing ratio** 5 : 2 by weight
- **Packaging** Units of 250 / 100 g
- **Subsurface** The subsurface needs to be clean and dry. Hardened coating areas of Epoflex 6G, Epoflex 6 thix or Epoflex 6N are to be sanded for roughness.
- **Processing** Mix for three minutes and use within 10 minutes. Depending on subsurface temperature, the applied material is walkable after 30 minutes up to 2 hours. Full curing after 2 days. In order to increase efficiency for the repair, it is recommended to mark areas to be repaired with a felt pen.
- **Storage life** 24 months at 10 - 35°C in originally closed containers.

**Hazards information**

Comp. A

			
Fire	Health Hazard	Exclamation mark	Environment

Comp. B

		
Health Hazard	Exclamation mark	Corrosion

- **Transport information** Comp. A UN 3082  
Comp. B UN 3267
- **Art. No.** Comp. A W-D0037-A  
Comp. B W-D0037-B

### 3. Safety Precautions

- Precautions to be observed      Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability      The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

FLOORING, SURFACE SEALING  
AND CONTAINMENTS

**WOLFTANK**



**adisa**

## 1. Description

- **General** Adaflex 109 elastic is a 2-component, high solid polyurethane coating with max. 15% wt. of solvent.
- **Advantages** Elastic, weather-resistant, non-yellowing, temporarily resistant to Euro and super unleaded gasoline.
- **Suitability** Anywhere an elastic, weather-resistant, waterproofing coating is required, e.g. as sealing of coatings in catching areas and transshipment points or the outside of tanks.

## 2. Specification

- **Mixing ratio** 4 : 1 by weigh
- **Pot life** At 23 °C 1h (2h gel)
- **Curing** 12 - 30°C, max. 90 % rel. humidity  
Rain water resistant after 3h at 23°C,  
Full mechanically and chemically resilient after 14 days
- **Consumption** 200 g/m<sup>2</sup> at 100µm, dry film thickness
- **Colour** Aluminium
- **Packaging** Units of 8 / 2 kg
- **Storage life** 6 months in originally sealed containers
- **Hazards information**

Comp. A

	
Fire	Exclamation mark

Comp. B


Exclamation mark
- **Transport information** Comp. A UN 2735  
Comp. B NO ADR
- **Art. No.** Comp. A W-D0081  
Comp. B W-D0082

### 3. Application

- Substrates Adalastic 2000, old but well roughened alkyd resin coatings, steel or galvanized surface with primer.
- Processing Without diluting agent  
Large surfaces with roller  
Minor surfaces with paint brush
- Mixing Add the whole of the contents of the comp.B container into the comp. A container and mix both together well with a stirrer for 3 minutes.
- Climatic conditions 12 - 30°C, max. 90 % rel. humidity

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

### 1. Description

- **General** Adaplast 110 is a 2-component PU floor covering with good crack-covering properties. Adaplast 110 is tough and elastic, and in addition to good mechanical resistance also shows good chemical resistance.
- **Advantages** Adaplast 110 is easy to work with, remains workable for an acceptable time after mixing, and forms waterproof, highly flexible coatings with high abrasion resistance.
- **Suitability** Industrial flooring on all mineral base-surfaces, such as concrete floors, fibre cement and similar surfaces, for factory buildings, storerooms, wet and dry rooms, laboratories, in power stations, in military and civil defence installations etc.

### 2. Specification

- **Mixing ratio** 5 : 1 by weight
- **Pot Life** 40 min at 20°C
- **Density of the mixture** 1.7 kg/dm<sup>3</sup>
- **Hardening** Walkable after 1 day (20°C)  
fully load-resistant after 7 days (20°C)
- **Consumption** Approx. 2.7 kg/m<sup>2</sup> as poured floor and scatter-material covering
- **Colour** RAL colours
- **Packaging** Units of 20 / 4 kg
- **Storage life** 6 months in originally sealed containers
- **Hazards information** Comp. A NO ADR  
Comp. B NO ADR
- **Transport information** Comp. A NO ADR  
Comp. B NO ADR
- **Art. No.** Comp. A W-D0946  
Comp. B W-D0947

### 3. Application

- Subsurfaces Mineral base-surfaces shall be sound, clean and dry. Any cavities in the concrete should preferably be filled with Epoflex Klebmörtel. The residual humidity in the concrete should not exceed 4 %.
- Structures Priming-coats on concrete: Adaflex FU, Adaflex BG sanded off  
Priming-coats on asphalt: Adaflex BG spez. sanded off
- Mixing Add the contents of the comp.B container completely to the comp.A container and mix the combination thoroughly for 3 min. with a stirrer.
- Processing Adaplast 110 is specially formulated for application with a toothed spreader, but can also be applied in thin coats with a roller. After application air should be freed from the coating using a spiked roller and the coating smoothed off.
- Equipment needed Hand-stirring machine or power-drill with stirrer, hot-air blower, possibly a de-humidifier.
- Climatic conditions The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

### 1. Description

- **General** Adaplast 120 is a 2-component PU floor covering with good crack-filling properties. Adaplast 120 has a high toughness and elasticity. In addition to good mechanical resistance also shows good chemical resistance.
- **Advantages** Adaplast 120 is easy to work with, remains workable for an acceptable time after mixing, and forms waterproof, flexible coatings with high abrasion resistance which are pleasant to walk on.
- **Suitability** On all mineral base-surfaces, such as concrete floors, fibre cement and similar surfaces. Especially for car-park decks and ramps, but also for factory buildings, workshops, storerooms, wet and dry rooms, laboratories, in power stations, in military and civil defence installations etc.

### 2. Specification

- **Mixing ratio** 4 : 1 by weight
- **Pot life** 60 min at 20°C
- **Density of the mixture** 1.6 kg / dm<sup>3</sup>
- **Curing** Safe to walk on after 1 day (20°C)  
fully load-resistant after 7 days (20°C)
- **Hardness** 73 Shore D (determined on a 2.00 layer)
- **Consumption** Approx. 1.5 kg / m<sup>2</sup> for 1.0 mm of layer thickness
- **Colour** RAL colours
- **Packaging** Units of 20 / 5 kg
- **Storage life** 6 months in originally sealed containers
- **Hazards information** Comp. A NO ADR  
Comp. B NO ADR
- **Transport information** Comp. A NO ADR  
Comp. B NO ADR
- **Art. No.** Comp. A W-D0948  
Comp. B W-D0949

### 3. Application

- Subsurfaces Mineral base-surfaces shall be solid, clean and dry. Any cavities in the concrete should preferably be filled with Epoflex Klebmörtel. The residual humidity in the concrete shall not be exceed 4 %.
- Structures Priming-coats on concrete: Adaflex FU, Adaflex BG sanded off  
Priming-coats on asphalt: Adaflex BG spez. sanded off
- Mixing Add the contents of the comp.B container completely to the comp.A container and mix the combination thoroughly for 3 min. with a stirrer.
- Processing Adaplast 120 is specially formulated for application with a spreader, but can also be applied in thin coats with a roller. After application air should be freed from the coating using a spiked roller and the coating smoothed off.
- Equipment needed Hand-stirring machine or power-drill with stirrer, hot-air blower, possibly a de-humidifier.
- Climatic conditions The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Adaflex AB is a solvent-free 2-component epoxy resin, with good mechanical and chemical resistance. Adaflex AB exhibits excellent on mineral base surfaces and can be used for any application.
- **Advantages** Adaflex AB is easy to work with and extremely versatile, as a primer, mortar resin, casting resin and laminating resin.
- **Suitability** On all mineral base-surfaces, such as concrete floors, fibre cement and similar surfaces, for factory buildings, workshops, storerooms etc.

## 2. Specification

- **Mixing ratio** 7 : 3 by weight
- **Pot life** Approx. 30 min at 20°C
- **Hardening** Safe to walk on after 12 hrs at 20°C  
Fully load resistant after 7 days at 20°C
- **Recoatibility** 12-48h (wet in wet approx. 3h)  
If left for more than 48 hrs, the surface shall be ground to a matt finish, or if used as a primer, sprinkled with silica sand.
- **Density of the mixture** 1.1 kg / dm<sup>3</sup>
- **Colour** Transparent
- **Packaging** Units of 7 / 3 kg
- **Storage life** 12 months in originally sealed containers
- **Hazards information** Comp. A

Health Hazard	Exclamation mark	Environment

Comp. B

Health Hazard	Exclamation mark	Environment	Corrosion

- **Transport information** Comp. A UN 3082  
Comp. B UN 2735
- **Art. No.** Comp. A W-D0040  
Comp. B W-D0041



## 1. Description

- **General** Adaflex BV is a solvent-free 2-comp. EP floor coating, with good mechanical and chemical resistance. Applied with quartz sand coatings up to a thickness of 5mm can be formed.
- **Advantages** Adaflex BV is easy to work with and forms waterproof, non-slip floor coatings.
- **Suitability** Industrial flooring on all mineral base-surfaces, such as concrete floors, fibre cement and similar surfaces, for factory buildings, workshops, storerooms, wet and dry rooms, food-processing plants, laboratories, in power stations, in military and civil installations etc.

## 2. Specification

- **Mixing ratio** 4 :1 by weight
- **Pot life** Approx. 20 min at 23°C  
Approx. 13 min at 23°C
- **Curing** With Normal EP-hardener, safe to walk on after 6 hrs at 23°C  
Fully load-resistant after 7 days ( 20°C )
- **Hardening** 78 Shore D (determined on a 2.0 mm layer)
- **Density of the mixture** 1.5 kg / dm<sup>3</sup>
- **Consumption** Approx. 1.5 kg / m<sup>2</sup> for 1.0 mm layer thickness
- **Colour** Standard RAL colours and other colours at request.
- **Packaging** Units of 12 / 3 kg
- **Storage life** 12 months in originally sealed containers

**Hazards information**

Comp. A

		
Health Hazard	Exclamation mark	Environment

Comp. B

			
Health Hazard	Exclamation mark	Environment	Corrosion

- **Transport information** Comp. A UN 3082  
Comp. B UN 2735
- **Art. No.** Comp. A W-D0950  
Comp. B W-D0951

### 3. Application

- Subsurfaces Mineral base-surfaces shall be solid, clean and dry. Any cavities in the concrete should preferably be filled with Epoflex Klebmörtel. The residual humidity in the concrete should not exceed 4 %.
- Structures Priming-coat on concrete: Adaflex BG or Adaflex FU sanded off.  
Priming-coat on asphalt: Adaflex BG spez.
- Mixing Add the contents of the comp.B container completely to the comp.A container and mix the combination thoroughly for 3 min. with a stirrer.
- Processing Adaflex BV is specially formulated for application with a spreader, but can also be applied in thin coats using a roller. After applying the coating the air should be released from it using a spiked roller and the coating smoothed off.
- Equipment needed Hand-stirring machine or power-drill with stirrer, hot-air blower, possibly a de-humidifier.
- Climatic conditions Min. 10°C base-surface temperature; during application and hardening, the temperature shall never be less than 3 °C above the dew point.

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Adalastic 2000 is a solvent-free, 2-component PUR coating paste which exhibits elastomeric properties when cured and retains these even at low temperatures.
- **Advantages** Adalastic 2000 is only suitable for application using a 2-component spray system. It can however be walked on after as little as approx. 1 minute.
- **Suitability** Flexible coatings of structurally sound protective constructions in old and new buildings as well as for above-ground containment tanks for solvents, heating oil and petrol. As a sealant against water for constructions such as flat orcupola roofs etc.

## 2. Specification

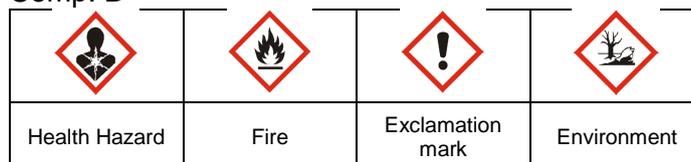
- **Mixing ratio** 1 : 1 by weight
- **Potlife** Approx. 15 – 20 sec.
- **Viscosity** Comp. A (40°C) approx. 200 mPas  
Comp. B (65°C) approx. 200 mPas
- **Hardening** Safe to walk on after approx. 1 min. at 20°C  
Fully hardened after 2 days at 20°C
- **Consumption** 2.5 kg/m<sup>2</sup> for a 2 mm coating thickness
- **Colour** Beige
- **Packaging** Units of 200 kg
- **Storage life** 12 months at 20° C in originally sealed containers

- **Hazards information**

Comp. A



Comp. B



- **Transport information** Comp. A NO ADR  
Comp. B NO ADR
- **Art. No.** Comp. A W-D9117  
Comp. B W-D9118

### 3. Application

- Subsurfaces  
Mineral-based surfaces shall be solid, clean and dry. Any cavities in the concrete shall preferably be filled with Epoflex Klebmörtel. Metallic surfaces must be clean, free of grease and preferably grid blasted or ground down to bare metal.
- Structures  
Priming coats on concrete: Adagrund, Adaflex BG or Adaflex FU grid blasted with quartz sand 0.3-0.8.  
Priming coats on asphalt: Adaflex BG spez. grid blasted with quartz sand 0.3-0.8.  
Priming coats on steel: Adagrund, Adaflex FU.  
Top coat in the open air: Adaflex 109 elastic or non-slip as light protection sealant or Adaflex 109 conductive
- Equipment needed  
Adalastic 2000 is applied with a 2-component high-pressure spraying machine).
- Climatic conditions  
Min. 10° C base surface temperatures, > 10°C air temperature, do not apply at temperatures below the dew point under any circumstances!

### 4. Safety Precautions

- Precautions to be observed  
Safety measures of product specific Material Safety Data sheet apply. County-specific health and safety regulations and legislation apply.
- Liability  
The information provided above is based on numerous trials and experience over many years. No liability can be accepted in relation to the use of the product described, since the results obtained depend to a large extent on the correct treatment and application of the material.

## 1. Description

- **General** Adalastic 2000 Haftprimer is an abrasion-resistant and chemical-resistant liquid film to 2K polyurethane polyurea. It's main use is as a primer on the Adalastic 2000.
- **Advantages** Adalastic 2000 Haftprimer has a very good tensile and tear strength, and a large elongation. Curing is also at low temperatures, up to + 3°C guaranteed. Adalastic 2000 Haftprimer shows good resistance and is specially used for secondary containments of storage plants for fuels and solvents.
- **Suitability** As a primer on the Adalastic 2000 to anchor the overlying layers.

## 2. Specification

- **Mixing ratio** 10 : 1 by weight
- **Pot Life** 35 min at 23°C
- **Hardening** Safe to walk on after 24 h  
Fully hardened after 7 days (20°C)
- **Density of the mixture** 1.06 kg / dm<sup>3</sup>
- **Colour** Blue, transparent
- **Packaging** Units of 15 / 1,5 kg
- **Storage life** 6 months in originally sealed containers
- **Hazards information** Comp. A

Health Hazard

Comp. B

Fire	Health Hazard	Exclamation mark	Environment

- **Transport information** Comp. A UN NO ADR  
Comp. B UN 1263
- **Art. No.** Comp. A W-D9119  
Comp. B W-D9120

### 3. Application

- Subsurfaces Mineral base-surfaces shall be solid, clean and dry. Concrete surfaces shall be clean, grease-free and preferably grit blasted.
- Structures Priming-coats on concrete: Adagrund, Adaflex BG, Adaflex FU sanded off.  
Priming-coats on asphalt: Adaflex BG spez. sanded off.  
Priming-coats on steel: Adagrund.
- Mixing Add the contents of the comp.B container completely to the comp.A container, clean out if necessary with a rubber spatula and mix the combination thoroughly for 3 min. with a stirrer. Depends on temperature shall be added 3 – 6% of Verdünner 102.
- Processing Adalastic 2000 Haftprimer is preferably applied with a spreader, but if needed it can also be applied with a roller. After application air shall be freed from the coating using a spiked roller and the coating smoothed off.
- Equipment needed Hand-stirring machine or power-drill with stirrer, hot-air blower, possibly a de-humidifier.
- Climatic conditions The steel surface temperature has to be at min. 3°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Euromant is a liquid, solvent-free, 2-component polyurethane-based product. The cured coating is permanently elastic, impermeable to water and largely resistant to chemicals.
- **Advantages** Euromant is easy to apply by hand, remains workable for an acceptable time after mixing and dries rapidly.
- **Suitability** Elastic sealing for structurally sound protective structures in old and new buildings as well as for above-ground containment vessels.  
As a sealant to prevent water ingress to buildings with cracks or in danger of cracking such as flat or cupola roofs, terraces, balconies, pipework, etc.

## 2. Specification

- **Mixing ratio** 1 : 1 by weight
- **Pot life** Approx. 60 min
- **Hardening** Safe to walk on after 24 h (20°C)  
Fully hardened after 12 days (20°C)
- **Consumption** 2.5 kg/m<sup>2</sup> for a 2mm thick coat
- **Colour** Grey
- **Packaging** Normal: 4 / 4 kg tins  
Thix: 2 / 2 kg tins
- **Storage life** 12 months at 20°C in originally sealed containers
- **Hazards information**

Comp. A	Comp. B
 Corrosion	 Health Hazard
 Exclamation mark	
- **Transport information** Comp. A UN 3082  
Comp. B UN NO ADR
- **Art. No.** Comp. A W-D9121  
Comp. B W-D9122

### 3. Application

- Subsurfaces Mineral base-surfaces shall be solid, clean and dry. Any cavities in the concrete shall preferably be filled with a PU filler. Metal surfaces shall be clean, grease-free and preferably sandblasted or ground to bare metal.
- Structures Priming coats on concrete: Adaflex 100, Adagrund, Adaflex BG  
Priming coats on asphalt: Adaflex BG Spezial Sanded off to QS 0.3-0.8mm  
Priming coats on steel: Adagrund  
Covering coats for external use: Adaflex 109 as a light protective seal.
- Mixing Add the contents of the comp.B container completely to the comp.A container, clean out if necessary with a rubber spatula and mix the combination thoroughly for 3 min. with a stirrer.
- Processing Euromant is preferably applied with a spreader, but if need be can also be applied with a brush or roller. After application air should be freed from the coating using a spiked roller and the coating smoothed off.
- Equipment needed Hand-stirring machine or power-drill with stirrer, hot-air blower, possibly a de-humidifier.
- Climatic conditions The steel surface temperature has to be at min. 15°C and at least 15°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Epoflex DOM Spachtel is a low-solvent, conducting coating compound on the basis of a two-component epoxy resin. The coating was developed to seal sumps and against various fuels and other liquid stored goods.
- **Advantages** It can be applied on most secondary containments.
- **Suitability** With the integrated coarse-meshed special fabric, Epoflex DOM Spachtel has been developed specially for the bridging of cracks. Epoflex DOM Spachtel does not run down on vertical surfaces either.  
The area of application comprises the lining of dome shafts in particular. Furthermore, Epoflex DOM Spachtel can be used wherever major cracks have to be bridged and a conducting surface is desirable.

## 2. Description

- **Mixing ratio** 2 : 1 by weight
- **Density of the mixture** 1.5 kg/dm<sup>3</sup>
- **Consumption** 2 mm ~ 3 kg/m<sup>2</sup>
- **Colour** Black
- **Packaging** Units of 6 / 3 kg
- **Storage life** 12 months in originally sealed containers
- **Hazards information** Comp. A

		
Fire	Exclamation mark	Environment

### Comp. B

			
Fire	Exclamation mark	Health Hazard	Environment

- **Transport information** Comp. A UN 1263  
Comp. B UN 3267
- **Art. No.** Comp. A W-RP0101  
Comp. B W-RP0102

### 3. Application

- Subsurfaces  
Concrete: Shall be solid, clean, dry and free of any hydrocarbon residuals.  
Steel: Shall be clean and free from grease. The surface has to be prepared by roughened and prepared by sandblasting or by the application of a primer.
- Structures  
It is delivered in weighed-up standard packages ready to be mixed. The original packaging includes enough empty space for mixing.
- Mixing  
Add the contents of the comp.B container completely to the comp.A container and mix the combination thoroughly for 3 min. with a stirrer.
- Processing  
Epoflex DOM Spachtel has filling properties and can be applied with a trowel. Evenly apply the material using a serrated trowel. Place the special fabric cut to size on the prepared surface. Use a trowel to press on the special fabric and the material DOM Spachtel moistens the special fabric. Smooth out Epoflex DOM Spachtel. It is not necessary to apply additional material.
- Equipment needed  
Hand-stirring machine or power-drill with stirrer, hot-air blower, possibly a de-humidifier.
- Climatic conditions  
The steel surface temperature has to be at min. 12°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed  
Safety measures of product specific Material Safety Data sheet apply. County-specific health and safety regulations and legislation apply.
- Liability  
The information provided above is based on numerous trials and experience over many years.  
No liability can be accepted in relation to the use of the product described, since the results obtained depend to a large extent on the correct treatment and application of the material.

## 1. Description

- **General** Epoflex DOM Guss is a low-solvent, conducting and crack-bridging coating compound on the basis of a two-component epoxy resin.
- **Advantages** The coating compound is characterised by an excellent resistance in particular to chemicals, to various fuels and other liquid stored goods.
- **Suitability** It can be applied on most undergrounds. Epoflex DOM Guss has been developed as a cast coating. The coating thickness will be obtained automatically.  
In particular, the area of application comprises the casting of dome shaft floors and other areas of application where a conducting and crack-bridging coating compound is used.  
It can be applied on moist undergrounds. Epoflex DOM Guss has been developed as a cast coating.

## 2. Specification

- **Mixing ratio** 2 : 1 by weight
- **Density of the mixture** 1.5 kg / dm<sup>3</sup>
- **Colour** Black
- **Packaging** Units of 6 / 3 kg
- **Consumption** 2 mm ~3 kg/m<sup>2</sup>
- **Storage life** 12 months in originally sealed containers

**Hazards information**

**Comp. A**

		
Exclamation mark	Health Hazard	Environment

**Comp. B**

			
Fire	Exclamation mark	Health Hazard	Environment

- **Transport information** Comp. A UN 3082  
Comp. B UN 3267
- **Art. No.** Comp. A W-RP0103  
Comp. B W-RP0104

### 3. Application

- Subsurfaces  
Concrete: Shall be solid, clean, dry and free of any hydrocarbon residuals.  
Steel: Shall be clean and free from grease. The surface has to be prepared by roughened and prepared by sandblasting or by the application of a primer (e.g. Adagrund).
- Mixing  
Add the contents of the comp.B container completely to the comp.A container and mix the combination thoroughly for 3 min. with a stirrer.
- Processing  
Pour Epoflex DOM Guss on the dome shaft floor and distribute it roughly. Due to its low viscosity, the material spreads by itself and the desired coating thickness is obtained automatically.
- Equipment needed  
Hand-stirring machine or power-drill with stirrer, hot-air blower, possibly a de-humidifier.
- Climatic conditions  
The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed  
Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability  
The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## TANK INSIDE PAINTINGS

**WOLFTANK**



**adisa**

## 1. Description

- General Phenoplast 700 is a fast drying phenolic resin coating and is mainly used in heating oil tanks.
- Advantages Provides good corrosion protection against internal corrosion in oil tanks.

## 2. Specification

- Colour Brown, light green, transparent
- Consumption Approx. 160 g/m<sup>2</sup> (film thickness 40 μm)
- Density of the mixture At 20°C 1.40 + 0.03
- Hazards information  
Comp. A  

		
Fire	Exclamation mark	Health Hazard
- Transport information Comp. A UN 1263
- Art. No. Comp. A W-D9148



## OUTSIDE CORROSION PROTECTION

**WOLFTANK**



**adisa**

## 1. Description

- **General** A 2-component epoxy resin for corrosion protection with pigmented with phosphate.
- **Advantage** Adacor Aktive Primer has a active corrosion protection and high mechanical adhesion strength with high chemical resistance against mineral oil and an excellent adhesion.
- **Suitability** Primer for corrosion protection of new facilities or as refurbishment on storage plants.

## 2. Specification

- **Mixing ratio** 5 : 1 by weight
- **Pot life** Approx. 10 hours at 20°C
- **Density of the mixture** 1.4 kg / dm<sup>3</sup>
- **Consumption** 100 g / m<sup>2</sup> for a thickness of 40µm
- **Recoatibility** Dust dry after 60 min  
Touch dry after 3 h  
Fully cured afte 7 days
- **Packaging** Units of 20 / 4 kg
- **Storage life** 12 months at 20°C with originally sealed containers

- **Hazards information**

Comp. A

	
Fire	Exclamation mark

Comp. B

	
Fire	Corrosion

- **Transport information** Comp. A UN 3082  
Comp. B UN 1263
- **Art. No.** Comp. A W-D9252  
Comp. B W-D9253

### 3. Application

- Processing  
The application shall be by airless spraying (80 – 150 bar) or electrostatic spraying (2,5 - 3 bar). Small areas can also be coated by a rolling process.
- Structures  
Suitable as primer for clean and pretreated metal surfaces. Adacor Aktive Primer can be applied directly on the surface, of non-metallic surfaces.  
For coating above can be applied Adapur ACR and Adacor Glimmerfarbe.
- Subsurfaces  
Steel, stainless steel, non-ferrous metals, polyester, epoxy, polyuria, poliamid.  
  
The pretreatment shall be mechanical (blasting, brushing) or chemical (chromating, bating) In any case, the surface shall be free from contamination, corrosion products, humidity, dust, oils, greases etc.
- Mixing  
Resin can be mixed with thinner a proper spraying viscosity.
- Equipment cleaning  
Equipment shall be cleaned directly after usage using a solvent.
- Climatic Conditions  
The surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening.

### 4. Safety Precautions

- Precautions to be observed  
Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability  
The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

### 1. Description

- General Two component resin based on epoxy and polyamide for smooth thin and medium thick layers.
- Advantages The recoverable paint films are characterized by high film strength, toughness, chemical resistance and weather resistance.
- Suitability A specially developed intermediate coating for the protection of steel constructions and refurbishments.

### 2. Specification

- Mixing ratio 4 : 1 by weight
- Pot life 18 h at 20°C
- Density of the mixture 1.4 kg / dm<sup>3</sup>
- Curing Dust dry 30 min  
Touch dry 6 h  
Recoatibility 24 h
- Consumption 120 g / m<sup>2</sup> for a coating thickness of 50µm
- Colour Grey – other colours at request
- Packaging Units of 16 / 4 kg
- Storage life 12 months at 20°C in originally sealed containers
- Hazards Information Comp. A NO ADR  
Comp. B NO ADR
- Transport information Comp. A NO ADR  
Comp. B NO ADR
- Art. No. Comp. A W-D9254  
Comp. B W-D9255

### 3. Application

- Subsurfaces Adacor Aktiv Glimmerfarbe shall be coated in general just on corresponding primers. On blasted and galvanizing steel surfaces it can also be coated without primer.
- Structures Corresponding primers are:  
Adacor Aktiv Primer  
As top layer can be used:  
Adapur ACR
- Mixing Mixing with thinner for airless spraying is possible.
- Processing Basically, all substrates require radiation with corresponding abrasives. As with all painting the surfaces shall be free from contamination, corrosion, moisture, oils, fats etc.
- Equipment needed Application shall be with airless sprayer, roller or brush. In addition 5 - 10%.
- Equipment cleaning Equipment shall be cleaned directly after usage using a solvent.
- Climatic conditions The steel surface temperature has to be at min. 8°C and at least 3°C above the dew point at any time during application and hardening.

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

### 1. Description

- General Low-solvent two-component epoxy laminate for steel, other metallic surfaces, brickwork, concrete.
- Advantages Adacor EP has a high coating thickness for corrosion protection by high water resistance, and mechanical toughness.
- Suitability Specially recommended for constructions in chemical plants and constructions exposed to high salt contents like marine environments.

### 2. Specification

- Mixing ratio 9 : 1 by weight
- Pot life 20 – 30 min at 20 – 30 °C
- Density of the mixture 1.5 kg / dm<sup>3</sup>
- Recoatability Walkable after 3 days at 35°C  
Final hardness after 7 days at 20°C
- Consumption 370 g/m<sup>2</sup> for 200µm coating thickness
- Colour Transparent – other colours at request
- Packaging Units of 27 / 3 kg
- Storage life 12 months in originally sealed containers
- Hazards Information Comp. A NO ADR  
Comp. B NO ADR
- Transport information Comp. A NO ADR  
Comp. B NO ADR
- Art. No. Comp. A W-D9256  
Comp. B W-D9257

### 3. Application

- Subsurfaces Surfaces pre-treated with a base coat / adhesion primer. The surfaces must be free of contamination, corrosion products, moisture, oils, fats etc.
- Structures Suitable base coats are:  
Adacor Zink  
Adacor Aktiv Primer  
  
Suitable top layers are  
Adapur ACR  
Adapur WR
- Processing Application shall be airless sprayed, rolled or brushed. In addition 5 - 10%.
- Equipment cleaning Equipment shall be cleaned immediately after usage using a solvent.
- Climatic conditions The steel surface temperature has to be at min. 8°C and at least 3°C above the dew point at any time during application and hardening.

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Adacor Grund is a 2-component primer based on epoxy resins which can be applied on concrete, plaster, gypsum wood materials and many plastics and on old paint.
- **Advantages** Very good adhesiveness and grind ability with great anticorrosion properties as well as a filler.
- **Suitability** Primer for tank refurbishments, used on general structural steelwork and especially bridges, refineries, masts and storage tanks, etc.

## 2. Specification

- **Mixing ratio** 5 : 1 by weight
- **Pot life** Approx. 12 hours at 20°C
- **Density of the mixture** 1.47 kg / dm<sup>3</sup>
- **Consumption** 107 g / m<sup>2</sup> for a dry coating thickness of 40µm
- **Curing** Dust dry after 30 min  
Touch dry after 3 h
- **Packaging** Units of 20 / 4 kg
- **Storage life** 12 months with originally sealed containers
- **Hazards information**

### Comp. A

	
Fire	Exclamation mark

### Comp. B

	
Fire	Corrosion

- **Transport information** Comp. A UN 1263  
Comp. B UN 1263
- **Art. No.** Comp. A W-D9260  
Comp. B W-D9261

### 3. Application

- Subsurfaces                      The substrates must be free from foreign impurities such as oils, greases, condensation moisture, dust.
- Processing                         Adacor Grund shall be airless sprayed, rolled or brushed.
- Structures                         As top layer can be applied Adapur HS, Adapur WR and as intermediate coating shall be applied Adapur WR Glimmer.
- Mixing                              Shall not to be mixed with thinner.
- Equipment cleaning              Immediately after coating is complete, the equipment shall be cleaned using the thinners.
- Climatic Conditions              The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening.

### 4. Safety Precautions

- Precautions to be observed      Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability                              The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- General: Adacor Zink is a 2-component zinc dust primer based on epoxy and polyamide adhesion resins.
- Advantages: Specially suitable coating for heavy corrosion protection.
- Suitability: A specially suggested primer for the corrosion protection of steel constructions, chemical plants, tanks, silos, etc.

## 2. Specification

- Mixing ratio: 1 : 1 by weight
- Pot life: 12 hours at 20°C
- Curing: Dust dry after 15 min  
Touch dry after 60 min  
Recoat after 15 h
- Density of the mixture: 3.1 kg / dm<sup>3</sup>
- Consumption: 307 g / m<sup>2</sup> for a dry film thickness of 60µm
- Packaging: Units of 20 / 20 kg
- Storage life: 6 months in originally sealed containers
- Hazards information: Comp. A

		
Fire	Exclamation mark	Environment

### Comp. B

		
Fire	Exclamation mark	Environment

- Transport information: Comp. A UN 1263  
Comp. B UN 1263
- Art. No.: Comp. A W-D9266  
Comp. B W-D9267

### 3. Application

- Subsurfaces Adacor Zink shall be coated on steel and glaze profiles thicker than 3mm.
- Substrates Adacor Zink is as an adhesion primer on SA2.5 pretreated surfaces with a roughness of 20-50µm.
- Structures As intermediate coating shall be used Adapur WR Glimmer and as top layer shall be used Adapur WR.
- Mixing Resin can be mixed with thinner up to 8 % for airless spraying.
- Processing Can be applied by airless spraying, rolling or brushing.
- Equipment cleaning The equipment shall be cleaned immediately after the application with solvent or appropriate cleaner.
- Climatic conditions The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening.

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.



### 3. Application

- Substrates
  - Steel, blasted, ground or brushed;
  - Steel with residual rust, brushed;
  - Hot galvanized, fine-blasted or weathered

The substrates must be free from foreign impurities such as oils, greases, condensation moisture, dust and corrosion products.
- Structures

Adamastic shall be used as primer and intermediate coating.  
As top layer shall be used Adapur HS.
- Processing

Shall be airless sprayed, rolled or brushed.  
Airless spray equipment must provide a reciprocating pump and at least a 1:30 ratio.
- Equipment cleaning

The equipment must be cleaned immediately after the application with solvent or appropriate cleaner.

### 4. Safety Precautions

- Precautions to be observed

Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability

The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Two components polyurethane resin for top layers, applicable for interior and exterior.
- **Advantages** Adapur ACR can be used as very smooth top layer for outside installations, because of his fast drying times and with excellent UV resistance, chemical resistance and no-aging effect.
- **Suitability** Top layer for corrosion protection of new installations and for refurbishment. Shall be applied on chemical and petrochemical plants as well as steel constructions and facades.

## 2. Specification

- **Mixing ratio** 4 : 1 by weight
- **Density of the mixture** 1.3 kg / dm<sup>3</sup>
- **Pot life** Approx. 8 - 10h at 20°C
- **Consumption** 110 g / m<sup>2</sup> for a dry layer thickness of 40µm
- **Curing** Dust dry 30 – 45 min  
Walkable after 12 hrs.  
Final curing at 36 hrs.
- **Colour** White (other Colors on request)
- **Packaging** Units of 16 / 4 kg
- **Storage life** 12 months at 20°C with originally sealed containers
- **Hazards information**

Comp. A

	
Fire	Exclamation mark

Comp. B

	
Fire	Exclamation mark

- **Transport information** Comp. A UN 1263  
Comp. B UN 1263
- **Art. No.** Comp. A W-D9250  
Comp. B W-D9251 (rolling)  
Comp. B W-D9251-s (spraying)

### 3. Application

- Surfaces  
The surfaces shall be free of impurities, corrosion products, moisture, oils, greases etc.. If there is no adhesion primer below the surface shall be grid blasted with a roughness of 20-40µm.
- Substrates  
Metal, wood-based panels and plastics substrates. Shall be grid blasted and with a surface roughness of 20 - 40 microns.
- Structures  
Suitable as top layer for Adacor Aktiv Glimmerfarbe and Adacor Aktiv Primer.
- Equipment cleaning  
The equipment shall be cleaned immediately after the application with solvent or appropriate cleaner.
- Climatic conditions  
The surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening!  
The temperature shall not be higher than 35°C.

### 4. Safety Precautions

- Precautions to be observed  
Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability  
The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

### 1. Description

- **General** Two-component polyurethane based resin used as monolayer for interior - and exterior applications.
- **Advantages** Fast applicable and simple solution for painting of steel constructions.
- **Suitability** Decorative coat for steel structures in accordance with DIN EN ISO 12944 for the corrosion protection category C2 and C3 interior and outdoor area.

### 2. Specification

- **Mixing ratio** 10 : 1 by weight
- **Pot life** 2 h at 20°C
- **Density of the mixture** 1.1 kg / dm<sup>3</sup>
- **Curing** Dust dry after 30 min  
Touch dry after 2.5 h  
Recoat after 8 h
- **Consumption** 110 g / m<sup>2</sup> for 60µm coating thickness
- **Colour** White  
Other RAL colours are available at request
- **Packaging** Units of 20 / 2 kg
- **Storage life** 12 months at 20°C in originally sealed containers
- **Hazards Information** Comp. A NO ADR  
Comp. B NO ADR
- **Transport information** Comp. A NO ADR  
Comp. B NO ADR
- **Art. No.** Comp. A W-D9258  
Comp. B W-D9259

### 3. Application

- Subsurfaces Shall be applied on blasted and dust free surfaces (Sa 2½ according to ISO 8501-1 and with a surface roughness of 20 - 40 microns).  
Adapur ES can be used as well as monolayer or two layer wet on wet surfaces.
- Structures Shall be used as monolayer and works as primer, intermediate coat and top layer, all in one.
- Processing Shall be airless sprayed, brushed or rolled.
- Equipment cleaning The equipment must be cleaned immediately after the application with solvent or appropriate cleaner.
- Climatic conditions The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening! The temperature shall not be higher than 35°C.

### 4. Safety Precautions

- Precautions to be observed Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Two-component PU-paint with a high solid content (max. solvent content, 15 % by weight) for smooth, gloss covering in thin to thick coats.
- **Advantages** The paint coats are characterised by high elasticity, toughness, good resistance to chemicals and very good resistance to fading and the effects of weather.
- **Suitability** Applied over Etoplate Masters as primer, for the protection of steel structures of all kinds. Because of its good abrasion resistance Adapur HS is suitable as a final coat for primed mineral substrates or for self-levelling PUR coatings susceptible to yellowing, such as Adaplast 110 or 120.

## 2. Specification

- **Mixing ratio** 6 : 1 by weight
- **Pot life** 1.5 h at 20 – 30 °C
- **Recoatibility** Dust free after 3 h  
Safe to touch after 6 h  
Resistant to chemicals after 14 days
- **Consumption** 180 g / m<sup>2</sup>
- **Colour** White – other RAL colours at request
- **Packaging** Units of 12 / 2 kg
- **Storage life** 12 months at 20°C in originally sealed containers
- **Hazards Information**

Comp. A	Comp. B
	
Exclamation mark	Fire
- **Transport information** Comp. A UN 1263  
Comp. B NO ADR
- **Art. No.** Comp. A W-D0954  
Comp. B W-D0955

### 3. Application

- Subsurfaces  
As in all painting work, the surfaces to be painted shall be free from dirt, corrosion products, moisture, oil, grease and similar contamination. Adapur HS is suitable as top layer on a preprimed Adamastic tanks.
- Structures  
For use on steel:
  - Adacor HS Aktive Primer
  - Adacor ZinkFor use on mineral substrates:
  - Adaflex BG
- Processing  
Put the content of container Comp. B completely into the container of Comp. A and mix everything well for a period of 3 min using a mixer.
- Equipment needed  
Airless or air-mix spraying, by roller or brusher.
- Equipment cleaning  
Manual agitator or drilling machine with mixer, synthetic resin roller, grooved metal roller, fan heater, air dehumidifier, if necessary.  
  
Immediately on completion of painting work cleaning with the equipment which is necessary.
- Climatic conditions  
The steel surface temperature has to be at min. 12°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed  
Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability  
The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Adapur HS PK 2 is a 2-component high-solid PU paint for smooth, shiny, from thin to thick-layered coatings. Solvent content max. 15%.
- **Advantages** Adapur HS PK 2's characteristics are high elasticity, toughness, good chemical resistance and very good light and weather resistance.
- **Suitability** In construction with suitable primers, Adapur HS PK 2 is suitable for protection of steel structures. Due to its good abrasion resistance it is used as a top coating for primed mineral substrates, or for self-leveling non yellowing resistant PUR-coatings such as 110 or 120 Adaplast not suitable.

## 2. Specification

- **Mixing ratio** 6: 1 by weight
- **Pot life** 1.5 hours at 23°C
- **Curing** Drying time at 60 microns dry film and 23°C surface temperature after 3 hours  
Touchable and waterproof after 6 hours  
Chemical resistant after 14 days
- **Consumption** 60 microns layers 180g / m<sup>2</sup>
- **Colour** White - Other RAL or NCS colors on request
- **Packaging** Units of 14 / 7 kg
- **Storage** 12 months at 20°C in originally sealed containers
- **Transport information** Comp. A: Not dangerous  
Comp. B: Not dangerous
- **Hazards information** Comp. A NO ADR  
Comp. B NO ADR
- **Art. No.** Comp. A W-D0958  
Comp. B W-D0959

### 3. Application

- Substrates                      Adapur HS is generally applied only on appropriate primers. The substrate must be free of impurities, such as corrosion products, moisture, oil, grease, etc.
- Structures                      Suitable primers on steel are:  
  Epoflex  
  Adacor Aktiv Primer
- Mixing                            Pour the contents of Comp. B completely into the container Comp. A and stir the whole mixture for 3 min with a stirrer. If the whole package is not to be processed, use a balance to weigh the proper proportion.
- Processing                      Specially formulated for application of roller and brush. With appropriate dilution, could be applied by means of airless and air-mix spray equipment.  
  At temperatures of 12-18°C, depending on the temperature and process of application from 1 to 7%.
- Equipment cleaning            The equipment shall be cleaned immediately after the application.
- Climatic conditions            The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed    Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability                            The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Two component monolayer polyurethane resin with high weather and colour retention mainly used as topcoat.
- **Advantage** Fast curing, high weather resistance and colour retention. Adapur WR's characteristics are his rapid onset drying, an active corrosion protection and a high stability.
- **Suitability** Top layer for corrosion protection and tank refurbishment. Can be applied on steel constructions exposed to weather and storage tanks.

## 2. Specification

- **Mixing ratio** 5 : 1 by weight
- **Density of the mixture** 1.3 kg / dm<sup>3</sup>
- **Pot life** Approx. 5 h at 20°C
- **Consumption** 110 g / m<sup>2</sup> for 40 µm of dry film thickness
- **Curing** Dust dry 40 min  
Touch after 6 h  
Hardened after ca. 6 days
- **Packaging** Units of 20 / 4 kg
- **Hazards information**

Comp. A	Comp. B	
		
Fire	Fire	Exclamation mark
- **Transport information** Comp. A UN 1263  
Comp. B UN 1263
- **Art. No** Comp. A W-D9262  
Comp. B W-D9263 (rolling)  
Comp. B W-D9263-s (spraying)

### 3. Application

- Substrates  
The surfaces shall be free of impurities, corrosion products, moisture, oils greases etc.  
In accordance with EN ISO 12944 this product shall be applied on surfaces which are grid blasted and with a surface roughness of 20 - 40 microns or a surface treated with an adhesion primer.
- Structures  
As coating can be applied on an epoxy based Adapur WR Glimmerfarbe and as primer can be applied Adacor Zink or Adacor Grund.
- Mixing  
Resin shall not be mixed with a thinner.
- Equipment cleaning  
The equipment shall be cleaned immediately after the application.
- Equipment needed  
Preferably pneumatic and airless spraying machines; by means of thinner even roller coating / brush.
- Climatic conditions  
The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening! The temperature shall not be higher than 35°C.

### 4. Safety Precautions

- Precautions to be observed  
Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability  
The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- General Two-component main coat based on polyurethane resin applied on steel, aluminum and galvanized metallic surfaces.
- Advantage Adapur WR Glimmer characteristics are high mechanical strength and chemical resistance and have an excellent weather resistance.
- Suitability Intermediate coating for the protection and refurbishment of storage tanks and chemical plants.

## 2. Specification

- Mixing ratio 5 : 1 by weight
- Density of the mixture 1.5 kg / dm<sup>3</sup>
- Pot life Approx. 6 - 8 h at 20°C
- Curing Dust dry 15 min  
Touch dry after 3 h  
Painting dry after ca. 4 h
- Consumption 130 g / m<sup>2</sup> for 40 µm of dry film thickness
- Storage life 12 months at 20°C in originally sealed containers
- Packaging Units of 20 / 4 kg
- Hazards information
 

Comp. A	
	
Fire	

Comp. B	
	
Fire	Exclamation mark
- Transport information Comp. A UN 1263  
Comp. B UN 1263
- Art. No. Comp. A W-D9264  
Comp. B W-D9265 (rolling)  
Comp. B W-D9265-s (spraying)

### 3. Application

- Subsurfaces                      The surfaces shall be free of impurities, corrosion products, moisture, oils greases etc.
- Structures                         Surface shall be primered before with Adacor Zink or Adacor Grund.  
As top layer shall be applied Adapur WR.
- Processing                         Shall be with pneumatic or airless spraying methods, or can be rolled or brushed. Immediately after finishing the paintwork shall be cleaned with thinner or cleaner.
- Mixing                               Resin shall not be mixed with solvent.
- Equipment cleaning               The equipment shall be cleaned immediately after the application.
- Climatic conditions               The steel surface temperature has to be at min. 10°C and at least 3°C above the dew point at any time during application and hardening! The temperature shall not be higher than 35°C.

### 4. Safety Precautions

- Precautions to be observed      Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
- Liability                              The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## 1. Description

- **General** Etoplate Masters is a liquid, thixotropic, two pack, low-solvent, epoxy resin based coating. The hardened surface is easy to clean and very elastic and is highly resistant to several chemical products.
- **Advantages** Etoplate Masters has a low viscosity, cures ideally and offers an excellent chemical resistance.
- **Suitability** Etoplate Masters is a monolayer primer used to protect steel or concrete surfaces, e.g. in hydrocarbon depots. It's basis is also to create laminates of glass fibre reinforced plastics in contact with hydrocarbons such as fuel, petrol, gasoil, crude, etc.

## 2. Specification

- **Mixing ratio** 5 : 1 by weight
- **Pot life** 40 min. at 23°C
- **Density of the mixture** 1.5 kg / dm<sup>3</sup>
- **Curing** Dust-dry after 2h  
Intermediate drying after 4 h  
Fully hardened after 7 days
- **Consumption** Approx. 1.6 – 1.8 kg / m<sup>2</sup> with smooth surfaces
- **Colour** Beige
- **Packaging** Units of 9 / 1.8 kg
- **Storage life** 12 months at 10-35°C in originally sealed containers

- **Hazards information**

Comp. A

			
Fire	Health Hazard	Exclamation mark	Environment

Comp. B

	
Corrosion	Exclamation mark

- **Transport information** Comp. A UN 1263  
Comp. B UN 3267
- **Art. No.** Comp. A W-D0070  
Comp. B W-D0071

### 3. Application

- Subsurfaces                      The mineral surfaces shall be solid, clean and dry. Cavities in the concrete should preferably be filled with Epoflex Klebmörtel N. Metal supports shall be clean, fat free and ground to a degree of purity of preferably ST 3 or sand-blasted according to the Swedish Standard SA 2 ½.
  
- Structures                        Suitable as monolayer for corrosion protection on steel.  
Priming on concrete: Adaflex BG or Adaflex BG thix.
  
- Mixing                            Put the content of container Comp. B completely into the container of Comp. A. If necessary, use a rubber spatula to clean it out and mix everything well for a period of 3 min using a mixer.
  
- Processing                        Etoplate Masters has been especially formulated for the application by roller. Thanks to its good stability, Etoplate Masters can easily be applied to vertical surfaces with layer thickness of 0,2 to 0,4 mm, allowing a rational use on site.
  
- Equipment needed                Manual agitator and/or drilling machine with mixer, roller, fan heater and air dehumidifier, if necessary.
  
- Equipment cleaning              The equipment shall be cleaned immediately after the application.
  
- Climatic conditions                The steel surface temperature has to be at min. 12°C and at least 3°C above the dew point at any time during application and hardening!

### 4. Safety Precautions

- Precautions to be observed      Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
  
- Liability                            The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.

## Did you know?

How can I choose the right product to coat the shell of a storage tank?

The standard ISO EN 19044 defines different corrosion classes C1 to C5 according to the atmosphere (e.g. stored product, vicinity to sea). For every risk class we offer customized solutions.

Wolftank Adisa offers a series of epoxidic resins especially for the inner lining with the double wall DOPA® system according to EN13160-7. We have developed a lining system which has been installed more than 17.000 times.

What is DOPA® technology and which resins do you use for apply it?

How can I test that the coatings are free of pinholes?

For non-conductive coatings we carry out a holiday. Eventual pinholes are repaired with a special fast curing reparation set. After having ensured the absence of pinholes we can apply a final well adhering conductive layer. If a test for conductive coatings is required, we combine the visual inspection with a tightness test.

Do I have to laminate to reinforce a lining with glassfiber?

No, next to lamination resins, we offer a unique solution of a glass fiber containing epoxy resin which is applied by airless spraying.

We have polyuretanic and epoxidic systems which can be applied for secondary containments such as containment basins, sumps and steel containments. For the application of these systems we have also special mortars to repair and level the surface.

Which solutions can be recommend for secondary containments?

What is the maximum thickness of the resins applied by spraying?

Depending on the requirements we have resins with different thixotropy. For resins to be tested by a holiday test of 20.000 kV we recommend a layer thickness of minimum 800µm. However we have also resins which can be sprayed in one single operation up to a layer thickness of 4-6mm.

What is the elasticity of the coatings?

For polyurethane coatings we can reach an elasticity up to 320%, for epoxy coatings it can go up to 125%. Such properties make our coatings very interesting for applications on asphalt and concrete.

Yes, we have coatings particularly resistant to all alcohols, solvents and other chemicals. Basically we can cover nearly all chemical products with some minor limits on pure acids and alkali solutions.

Can the coatings be used in the chemical industry?

**WOLFTANK**



**adisa**

## Allgemeine bauaufsichtliche Zulassung



Zulassungsstelle für Bauprodukte und Bauarten  
 Bautechnisches Prüfamt  
 Eine vom Bund und den Ländern  
 gemeinsam getragene Anstalt des öffentlichen Rechts  
 Mitglied der EOTA, der UEAtc und der WFTAÖ

Datum: 17.07.2014  
 Geschäftszeichen: II 72-1.59.13-75/13

Zulassungsnummer:  
 Z-69.13-385

Antragsteller:  
 Wolfank Adisa GmbH  
 Grabenweg 68/4  
 6020 INNSBRUCK  
 ÖSTERREICH

Geltungsdauer  
 vom: 17. Juli 2014  
 bis: 30. Okt.

Zulassungsgegenstand:  
 "Adacor 6 KS-A"  
 Tankinnenbeschicht.



KESSELINSPEKTORAT  
 INSPECTION DES CHAUDIÈRES



Wallisellen, 04. April 2014

Zertifikat der Produkte-Prüfung nach KVV KVV-Nr. 221.019.14  
 Zu Anlageteilen für wassergefährdende Flüssigkeiten SVTI-Nr. SM201040

Gegenstand

Beschichtung auf Basis eines Polyurethan-Flüssigkunststoffes (PUR) mit der Bezeichnung „Euromant“, mit Härter farblos für Böden und Härter thix für Wände und Euromant- Flickset für Ausbesserungen.

Geltungsbereich

Abdichtung von Schutzbauwerken aus Stahlbeton oder Spannbeton, sowie auf Mauerwerk (z.B. KS Wände) in Gebäuden und im Freien bei Anlagen für das Lagern und Umschlagen von Heizöl und Dieselöl.

Gültigkeitsdauer

Das Zertifikat ist gültig bis zum 30. April 2019 und kann auf Antrag verlängert werden.

Inhaber des Zertifikates und Hersteller

Wolfank Adisa GmbH  
 Grabenweg 68/4  
 A-6020 Innsbruck, Austria

Hinweis

Dieses Zertifikat ersetzt das ZPP 221.019.12

Z\_22101914\_Z21\_Wolfank\_Adisa\_SM201040.docx

Seite 1 von 3

商標登録証  
 (CERTIFICATE OF TRADEMARK REGISTRATION)  
 国際登録第 637648 号  
 (INTERNATIONAL REGISTRATION NUMBER)

ADISA

指定商品又は指定役務並びに商品及び役  
 (LIST OF GOODS AND SERVICES) Unprocessed artificial res  
 1 Paints, anti-co

2 Wolfr  
 商標権者  
 (OWNER OF THE TRADEMARK RIGHT) Gra  
 In.

国際登録日  
 (INTERNATIONAL REGISTRATION DATE)  
 商標指定庁  
 (OFFICE OF TRADEMARK REGISTRATION)  
 登録 F  
 (REGISTRATION NUMBER)

特許人  
 (PATENT HOLDER)

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ CERTIFICADO ◆ CERTIFICAT

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ CERTIFICADO ◆ CERTIFICAT



**Attestation of type examination according to EN 13160-7**

**OnO Oil GmbH  
Grabenweg 68/4  
6020 Innsbruck  
Österreich**

Designation, Type: Leak protection lining; Type "DUPLO"

Hereby, it is certified that the Leak protection lining; Type "DUPLO" of the above mentioned company has been tested and accepted according to EN 13160-7. Details and description of the product "DUPLO" can be taken from the associated test report, document number 1771698, dated 2013-02-18.

The product

"DUPLO"

meets the following requirements according to EN 13160-7:2003:

- EN 13160-7 5.4 "Proof of tightness and the strength of the interstitial space"
- EN 13160-7 5.5 "Test of the free passage of liquid"
- EN 13160-7 5.6 "Test of the free passage of air"
- EN 13160-7 5.7 "Flow rate test of the intermediate layer"
- EN 13160-7 5.8 "Determination of the flow resistance"
- EN 13160-7 5.9 "Determinatic"
- EN 13160-7 6.1 "Test of delet"
- EN 13160-7 6.4 "GRP-rigid le"

examined liquids:

- Distilled Water
- Biodiesel (according to EN 1
- Petrol (according to EN 228

Remark:

With the application of the leak-  
of < 60 °C, the lining has to be ir  
static charge loads or the resin c  
resistance of less than 1 x 10<sup>10</sup> Ω

This certi

Munich, 18 February 2013

TÜV SÜD Industrie Service Gm  
Institute for Plastics

e.g. Zimmermann



Petroleum Section LFB Headquarters - 2nd Floor  
169 Union Street London SE1 0LL  
T 020 8550 1200 x30859  
F 020 7960 3624  
Minicom: 020 7960 3629  
www.london-fire.gov.uk

London Fire and Emergency Planning  
Authority runs the London Fire Brigade  
Date: 02<sup>nd</sup> January 2013  
Our Ref: RFS/Pet/834

omitting the information on your companies tank lining system, DUPLO, and testing  
jured standard EN13160-7.  
inform you that the Authority will approve the system for use on sites under its control  
December 2012

regarding this letter should be addressed to the person named below. If you are  
in any way with the response given, please ask to speak to the Team Leader quoting our  
ithfully.

*Signature*

Commissioner (Fire Safety Regulation)  
Safety Directorate



# CERTIFICATE

The Certification Body  
of TÜV SÜD Landesgesellschaft Österreich GmbH  
certifies that



**Wolftank Adisa GmbH**  
A-6020 Innsbruck, Grabenweg 68/Top9

has established and applies  
a Quality Management System, an Environmental Management System  
and a Safety Management System for

**Sales of protection systems for storage tanks, ground water  
and environment, refurbishment and construction of petrochemical  
and chemical storage plants**

An audit was performed, Report No. 153481

Proof has been furnished that the requirements  
according to

**ISO 9001:2008, ISO 14001:2009,  
BS OHSAS 18001:2007**

are fulfilled. The certificate is valid in conjunction  
with the main-certificate until **December 2016**

Certificate Registration No. **QUO1530262 / 04**

*Signature*  
Vienna, 2015-03-31



Certification Body  
of TÜV SÜD Landesgesellschaft Österreich GmbH  
Campus 21 Europaring A04301, A-2345 Businesspark Wien Süd, Austria

TÜV®

CERTIFICATE ◆ CERTIFICADO ◆ CERTIFICAT ◆ СЕРТИФИКАТ ◆ 認定証 ◆ CERTIFICAT



Die TÜV Industrie Service GmbH, TÜV SÜD Gruppe  
Westendstr. 199 • 80686 München  
als anerkannte Sachverständigenorganisation nach § 22 VAWs  
bescheinigt.

Das Unternehmen

**Wolftank Systems SpA**  
Via Giotto 1  
39100 Bolzano, Italien

ist  
**Fachbetrieb nach**

für Anlagen zum Lagern, Abfüll-  
und Herstellen, Behandeln u.  
mit nicht brennbaren wassergefährd-  
brennbaren wassergefährd-  
Flammpunkt <

Dieses Zertifikat gilt für

- Instandhalten und -setzer  
und Stahl
- Beschichten und Ausk-  
Innenbeschichten und  
und Stahl
- Reinigen von Tanks
- Einbau und Instand-  
Leckschutzsausr-  
Montage und Inst

Aufgrund der r-  
betriebes

Der

**Ministero dell'Interno**  
DIPARTIMENTO DEI VIGILI DEL FUOCO  
DIREZIONE CENTRALE PER LA PREVENZIONE E LA SICUREZZA TECNICA  
AREA VII - MEZZI, MATERIALI, D.P.A. ED INFANTI TECNOLOGICI

Roma, 02 FEB. 2011

Prot. n. **DCPREV**  
REGISTRO UFFICIALE - USCITA  
Prot. n. 0001389 del 02/02/2011

Alle Direzioni Regionali ed Interregionali VVF  
LORO SEDI  
Ai Comandi Provinciali VVF  
LORO SEDI  
e, p.e.  
Alla Soc. Wolftank Systems p.A.  
Via Giotto, 1  
39100 Bolzano

**OGGETTO:** Sistema antipendite "DOPA 6N", per serbatoi di stoccaggio fuori terra di liquidi  
infiammabili della Soc. Wolftank Systems p.A. Indicazioni procedurali

La Soc. Wolftank Systems p.A. ha inoltrato alla scrivente Direzione Centrale una richiesta di  
riconoscimento relativamente al sistema in oggetto.

Trattasi di un sistema innovativo per la rilevazione di perdite che viene adottato, nei casi  
richiesti, per esigenze di salvaguardia ambientali e che potrebbe rispondere anche a finalità di  
prevenzione degli incendi.

Nel premettere che alla luce delle vigenti disposizioni nazionali antincendio non è previsto  
alcuna procedura di omologazione per i sistemi in esame, si chiarisce che l'accettazione dei citati  
sistemi da parte delle strutture territoriali del Corpo Nazionale dovrà avvenire nel rispetto della  
circolare prot. P515/4/101 sott. 73/E.6 che prevede l'acquisizione del modello Dich. Imp. 2008.

Detta dichiarazione non fa salve le verifiche di integrità e di stabilità delle strutture dei  
serbatoi che, in ogni caso, vanno acquisite agli atti.

IL DIRETTORE CENTRALE  
(DATTILO)

*Carlos Oliveira*  
Carlos Oliveira  
Diretor de Serviços de Combustíveis

MINISTERIO DO AMBIENTE, ORDENAMENTO  
DO TERRITÓRIO E ENERGIA

Direção Geral  
de Energia e Geologia

Sua referência:  
ASSUNTO: Autorização  
reservatórios o

Visto o requerimento de V. Exas  
artigo 20º conjugado com o nº 1º  
despacho, de 17 de abril de 2011,  
ALTERATIVAS ECOLÓGICAS INCENDI-  
simos para aplicação piloto do procedim.  
líquidos de parede simples e de transfor.  
para parede dupla com uma câmara interna.  
A autorização concedida fica sujeita às seguintes:

- A aplicação de qualquer um destes procedim.  
deverá ser entregue ao titular da instalação e uma có-  
deverá ser entregue ao titular da instalação e uma có-  
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- Os reservatórios de parede simples transformados em sis-  
o procedimento autorizado, deverão ser dotados de um sis-  
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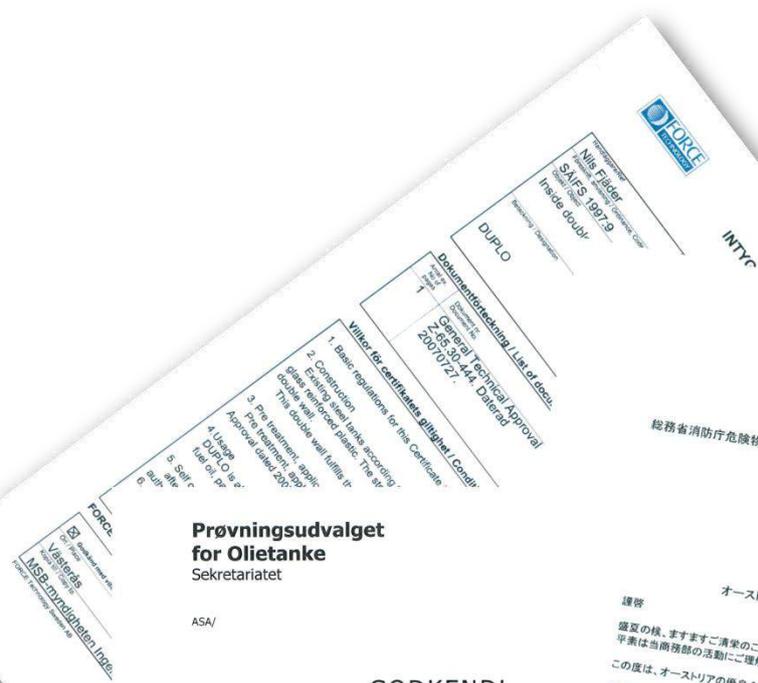
Mais se informa que esta autorização poderá ser prorrogada e  
LNEC - Laboratório Nacional de Engenharia Civil relativo a  
previsto.

Com os melhores cumprimentos

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**Prøvningsudvalget for Olietanke**  
Sekretariatet

ASA/

**GODKENDT**

I medfør af § 7 i Miljøministeriets bekendtgørelse nr. 1321 og drift af olietanke, rørsystemer og pipelines.

- A. **Konstruktion:** Indvendig korrosionsbehele tankens indvendig
- B. **Betegnels:** EPOFLEX 6N
- C. **Godkendelsens varighed:** Godkendelsen gælder
- D. **Ansøger:** WolfTank Adisa Gm Grabenweg 68/4 A-6020 Innsbruck

**E. Beskrivelse:**  
EPOFLEX 6N er en opløsningsmiddel-fattig toaminer og bestående af EPOFLEX 6N og Hårt overflade i en lagtykkelse mellem 800 og 1200 µm.  
EPOFLEX 6N kan anvendes til indvendig korrosionsbeskyttelse i tanke, som allerede er i drift.

**F. Vilkår:**

1. EPOFLEX 6N er godkendt af Deutsches Institut für Bautechnik under Allgemeine bauaufsichtliche Zulassung nr. Z-59.13-347 med gyldighed indtil 1. september 2017. Opretholdelse af Zulassung nr. Z-59.13-347 og de i denne beskrevne kontrolforanstaltninger er en betingelse for indevarende godkendelse.
2. WolfTank Adisa GmbH eller de af WolfTank Adisa GmbH udvalgte virksomheder for påføring af EPOFLEX 6N i Danmark skal indtil videre underrette PUFO om tidsplanerne for alle installationer som udføres i tanke, som allerede har været taget i brug, så PUFO har mulighed for at tilse arbejdet.

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2015年7月23日

オーストリア企業 WolfTank Adisa GmbH のご紹介

謹啓  
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平素は当商務部の活動にご理解を賜り、誠に有難うございます。  
この度は、オーストリアの優良企業である WolfTank Adisa GmbH を紹介させていただきます。  
WolfTank Adisa (WolfTank Adisa)社は石油産業、石油化学産業向けに貯蔵タンクのライニングを中心に行っている世界規模の企業であり、既に25年に亘り、11,000社以上に対して17,000以上の地上タンク及び地下タンクのライニングを行うという実績がございます。特に、スプレィアップ工法により、短時間で施工が可能な点が大きなアドバンテージとなっております。  
また、ISO9001、ISO14001、OHSAS18001、SGCCと多くの認定も受けており、安全対策にも万全を期しております。  
WolfTank Adisa社は世界各所でライニングの経験を有し、国際的な認定を取得しております。更に、環境技術産業においてもオーストリアを代表する企業の1社であり、最先端の技術を有しております。  
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謹白  
オーストリア大使館商務部  
商務参事官  
  
ミヒャエル・オグスタ  


Ref: 100-7202580  
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Within 30 years of company history Wolftank Adisa trainers have instructed more than 100 companies located in Europe, Asia and Africa for the application of resins. In line with the approaches of quality management we train technicians for application as well as quality inspectors.

Trainings consist of:

- Theoretical part
- Practical part
- Supervision phase

After a training of 1 - 2 weeks, a new team is ready for the application of resins. We offer a support not only for the training, but also for the initial supervision period not only for the training, but also for the initial supervision period. The worldwide network of quality inspectors is continuously growing and regularly informed about best practice and news.



# Our Mission

Our mission is the protection of air, soil and groundwater by proving innovative technical solutions. Our expertise is gained in the daily discussion with over 11.000 customers; among them are the major players in petrochemical industry.

All our work procedures are certified according to ISO 9001: 2008, ISO 14001: 2004, OHSAS 18001: 2007. Furthermore resins production processes are monitored by the TÜV Süd, Munich to ensure to our customers the highest quality standards.

Customer proximity is essential to us: our team of engineers will be at your disposal for any request. We will be happy to share with you our knowledge of all applications.



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