

DESMOFLEX EPOXY PRIMER

EPOXY PRIMER, WATER BASED (2K)

DESCRIPTION

DESMOFLEX EPOXY PRIMER is a transparent, rigid, two component epoxy primer. Water-based. Used as a universal primer in waterproofing, sealing and floor coating applications on absorbent and non-absorbent surfaces.

DESMOFLEX EPOXY PRIMER cures by reaction (cross linking) of the two components. Also provides high tensile and impact strength

FIELDS OF APPLICATION

To **DESMOFLEX EPOXY PRIMER** is mainly used as a primer for polyurethane waterproofing coatings, polyurethane joint sealants and polyurethane and epoxy floor coatings on absorbent and non-absorbent surfaces like:

- Power floated concrete
- Metal (various)
- Asphalt
- Bitumenfelts
- Ceramic Tiles

- Old Acryl-based coatings
- Mosaics
- Glass

It can also be used on moist concrete surfaces. It is also used as a tack-coat between coating layers if intercoating time intervals are overstepped.

ADVANTAGES

- Simple application (roller or brush).
- Low odor
- Excellent anchoring to absorbent and non-absorbent surfaces.
- Can be applied on moist surfaces, without loss of adhesion.
- Resistant to stagnating water
- Can be diluted with water.
- Provides high tensile and impact strength.
- Heat and frost resistant
- Stops the creation of dust.
- Chemical resistant

SUBSTRATE PREPARATIONS

Careful surface preparation is essential for optimum finish and durability. The surface needs to be clean and sound, free of any contamination, which may harmfully affect the adhesion of the primer. Old coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be

smoothened. Any loose surface pieces and grinding dust need to be thoroughly removed. Do not use a metal-ball blasting machine to grind the surface, because the heavy metal-ball impacts destroy the cohesion of the concrete surface and lower its stability. New concrete structures must dry for at least 28 days.

APPLICATION

DESMOFLEX EPOXY PRIMER B and Component **DESMOFLEX EPOXY PRIMER A** should be mixed by low speed mechanical stirrer, according to the stipulated mixing ratio, for about 3-5 min. ATTENTION: The mixing of the components has to be affected very thoroughly, especially on the walls and bottom of the pail until the mixture becomes fully homogeneous. Dilute mixture with 10-20% of clean water, to regulate viscosity. For best results, the temperature during

application and cure should be between 5°C and 35°C. Low temperatures retard cure, while high temperature speeds up curing. High humidity may affect the final. Apply the **DESMOFLEX EPOXY PRIMER** by roller or brush, until the surface is covered. After approx. 6-12 hours and while the primer is still a bit tacky, apply the polyurethane coating **DESMOFLEX PU**. RECOMMENDATION: Please ensure consumption within the Pot Life. Do not apply the product, at ambient and ground temperatures.

PACKAGING

DESMOFLEX EPOXY PRIMER A+B is supplied in (3+1) kg pails. Pails should be stored in dry and cool rooms for up to 36 months. Protect the material against moisture and direct sunlight.

Storage temperature: 5°C -30 °C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

CONSUMPTION

100-200 gr/m² in one or two layers. This coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors like surface porosity

temperature, humidity, application method and finish required can alter consumption. If the surface is very brittle, like lightweight concrete or porous cement screed, apply two layers.

PRECAUTIONS

DESMOFLEX EPOXY PRIMER contains amines and epoxy resins. See information supplied by the manufacturer.

Please study the Safety Data sheet. .

TECHNICAL DATA

PROPERTY	RESULTS	VALUE
Composition	Epoxy resin + Hardener. Water based	
Mixing Ratio	A : B = 3 : 1	
Adhesion to aluminium	>2 N/mm ²	ASTM D 903
Adhesion to moist concrete (6%)	>1,5 N/mm ² (concrete failure)	ASTM D 903
Overcoating time	6-12hours	Conditions: 20°C, 50% RH
Pot Life	45-50 min	Conditions: 20°C, 50% RH
Final Curing time	7 days	Conditions: 20°C, 50% RH

Note: The measurements were made in laboratory environment under temperature of +23°C, Relative Humidity 50 % and without ventilation. It is possible to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorbability of the substrate

The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and of the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.