

FLX 390 PU PRIMER

TRANSPARENT EPOXY PRIMER (2K)

for non-absorbent surfaces

DESCRIPTION

FLX 390 PU 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. Cures by reaction (cross linking) of the two components.

USES

The **FLX 390 PU PRIMER** is mainly used as a primer for polyurethane waterproofing coatings, polyurethane joint sealants and polyurethane and epoxy floor coatings on non-absorbent surfaces like: Power floated concrete, Metal (various), Asphalt, Bitumenfelts, Ceramic Tiles,

Glass, Old Acryl-based coatings, etc. It can also be used as a primer on absorbent surfaces like concrete, mortar, plaster, etc. 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).
- 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.

SURFACE PREPARATION

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. Maximum moisture content should not exceed 7%. Substrate compressive strength should be at least 25MPa, cohesive bond strength at least 1.5MPa. Old coatings, dirt, fats, oils,

organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothed. 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.

APPLICATION

Component A and Component B 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 effected very thoroughly, especially on the walls and bottom of the pail until the mixture becomes fully homogeneous. Dilute mixture with 15-25% 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 speed up curing. High humidity may affect the final

finish. Apply the **FLX 390 PU PRIMER** (diluted with 15-25% clean water) by roller or brush, until the surface is covered. After approx. 6-12 hours (not later than 24 hours) and while the primer is still a bit tacky, apply the polyurethane coating or the polyurethane joint-sealant. RECOMMENDATION: If the surface is very brittle, like lightweight concrete or porous cement screed, apply two layers of the **FLX 390 PU PRIMER**. Please ensure consumption within the Pot Life. Do not apply the **FLX 390 PU PRIMER**, at ambient and ground temperatures under 10°C.

PACKAGING

FLX 390 PU PRIMER is supplied in (15+5)kg and (3+1)kg pails. Pails should be stored in dry and cool rooms for up to 9 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.

COMSUMPTION

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.

PRECAUTIONS

FLX 390 PU PRIMER contains amines and epoxy resins. See information supplied by the manufacturer. Please study the Safety Data sheet. **PROFESSIONAL USE ONLY.**

TECHNICAL DATA

| PROPERTY | RESULTS | TEST METHOD |
|---------------------------------|---|--------------------------|
| 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 |
| Hardness (SHORE A Scale) | >95 | ASTM D 2240 |
| Resistance to Water Pressure | No Leak (1m water column, 24h) | DIN EN 1928 |
| Service Temperature | -30°C to +90°C | Inhouse lab |
| Application Temperature | 10°C to 35°C | Conditions: 20°C, 50% RH |
| Pot Life | 45-50min | Conditions: 20°C, 50% RH |
| Overcoating time | 6-12 hours | 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, absorability 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.