EUNICOTE Pitch Polyurethane Primer

Polyurethane Primer, water based

Product Description

EUNICOTE Pitch Polyurethane 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 nonabsorbent surfaces. Cures by reaction (cross linking) of the two components.

Uses

EUNICOTE Pitch Polyurethane Primer is mainly used as a primer for polyurethane waterproofing coatings, polyurethane joint sealants and polyurethane and epoxy floor coatings on nonabsorbent surfaces like:

- Power floated concrete.
- Metal (various).
- Asphalt.
- Bitumen felts.
- 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 it intercoating time intervals are overstepped.

Advantages

- Simple application (roller or brush).
- Low odor.
- Excellent anchoring to absorbent and nonabsorbent 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.

Typical Properties

PROPERTY	RESULTS
Composition	Epoxy resin + Hardener. Water based
Mixing Ratio	A : B = 3 : 1
Adhesion to aluminum	>2 N/mm^2
Adhesion to concrete	>1,8 N/mm^2 (concrete failure)
Hardness (Shore A Scale)	>95
Resistance to Water Pressure	No Leak (1m water column, 24h)
Service Temperature	-30°C to +90°C
Application Temperature	10°C to 35°C
Pot-Life	45- 50 min
Over coating time	6-12 hours
Final Curing time	7 days
Color	milky yellow

Consumption

100 - 200 g/m^2 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, humid

ity, application method and finish required can alter consumption.

Application

Surface Preparation: 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 smoothened. Any loose surface pieces and grinding dust need to be thoroughly removed.

Warning: 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.

Mixing: EUNICOTE Pitch Polyurethane Primer 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.

Priming: 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 EUNICOTE Pitch Polyurethane Primer (diluted with 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 EUNICOTE Pitch Polyurethane Primer.

Attention: Please ensure consumption within the Pot Life.

Warning: Do not apply the EUNICOTE Pitch Polyurethane Primer, at ambient and ground temperatures under 10°C.

Packaging

EUNICOTE Pitch Polyurethane Primer is supplied in 15+5kg and 3+1kg 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, and batch number and application precaution labels.

Technical Service

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

Contact Information

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