

## FLEXPROOF PU PRIMER

### DESCRIPTION

FLEXPROOF PU PRIMER is a transparent, semi-rigid, deep penetrating, one component polyurethane primer. Solvent based. It cures by reaction with ground and air moisture.

### USES

FLEXPROOF PU PRIMER is mainly used as a primer for polyurethane waterproofing coatings and polyurethane joint-sealants on absorbent surfaces like concrete, lightweight concrete, cement screeds, mortar, wood, etc..

It can also be used as a surface stabilizer of old and brittle concrete surfaces, and as a chemical resistant protection film against oils, grease, moisture, chemicals and other liquid dirt staining.

### ADVANTAGES

- Simple application (roller or airless spray)
- Provides water vapour permeability
- Excellent anchoring to the absorbing surfaces
- Fast curing
- Provides enough elasticity to follow surface movements
- Resistant to stagnating water

### METHOD OF USE

#### Surface Preparation

Ensure all surface where FLEXPROOF PU PRIMER is to be applied must be free from oil, grease, wax and loose materials, which may harmfully affect the adhesion of the membrane. Maximum moisture content should not exceed 5%. New concrete structure need to dry for at least 28 days. Do not wash surface with water.

#### Priming

For best results, the application and cure temperature should be between 5°C to 35°C. Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish.

Apply FLEXPROOF PU PRIMER by roller or brush. For larger surface, airless spray application is possible.

After 2 to 3 hours (not later than 4 hours) and while the primer is still tacky, apply polyurethane waterproofing coating or the polyurethane joint-sealant.

### HANDLING

FLEXPROOF PU PRIMER should be stored in a dry place under shade, free from moisture contact.

FLEXPROOF PU PRIMER contains isocyanates. Remove splashes from skin with water. In case of eye contact, wash with plenty of water. If irritation persists, seek immediate medical attention.

### CONSUMPTION

200 to 250 g/m<sup>2</sup> applied in one layer depending on surface porosity and application method.

## PACKING

FLEXPROOF PU PRIMER is supplied in 17 kg pail.

## SHELF LIFE

FLEXPROOF PU PRIMER has a shelf life of 9 months in tightly closed original packing.

## SPECIFICATIONS

Composition	Polyurethane pre-polymer, solvent based
Resistance to Water Pressure	No Leak (1m water column, 24 hr) (DIN EN 1928 Test A)
Adhesion to concrete	2.2 ± 0.2 N/mm <sup>2</sup> (ASTM D 903)
Shore A Hardness	> 95 (ASTM D 2240)
Tack Free Time	2 - 3 hours (at 20°C, 50% RH)
Light Pedestrian Traffic Time	12 hours (at 20°C, 50% RH)
Final Curing Time	4 days (at 20°C, 50% RH)
Application Temperature	5°C to 35°C (at 20°C, 50% RH)

## CHEMICAL PROPERTIES

Potassium hydroxide 20%	+
Ammonia 10%	+
Hydrochloric acid 10%	+
Benzene	+
Domestic detergents	+
Diesel oil	+
Sodium hydroxide 20%	+
Sulfuric acid 10%	+
Sea water	+
Toluene	±
Dichlormethane	-
N-methyl pyrrolidon (brake fluid)	-
{ + Stable, - Not Stable, ± Stable for a short period }	

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