

# Polyprime PU

## Solvent free epoxy resin primer and sealer

Primer and sealer coat for polyurethane based coatings and toppings.

### CHARACTERISTICS

- ▶ Solvent free
- ▶ Low viscosity
- ▶ Easy to apply by brush, roller, squeegee, airless spray
- ▶ Colorless



solvent free



adhesion promoter



environment friendly

### DESCRIPTION

Polyprime PU is a two component solvent free epoxy resin based primer and sealer coat for polyurethane based coatings and toppings. Polyprime PU can also be applied as a scratch coat with the addition of graded quartz sand.

### FIELDS OF APPLICATION

Used as a primer and sealer coat for:

- Polyurethane resin based car park coatings and toppings
- Polyurethane resin based wall & floor coating
- Polyurethane resin based self leveling system
- Polyurethane screeds
- As a scratch coat for floors after mixing with graded quartz sand

### APPLICATION INSTRUCTIONS

#### Surface preparation

The concrete should be minimum 28 days old and the surface moisture content less than 5% prior to the application of the primer. Clean the surface of all dust, dirt, degradable type of curing compound, oil and grease, cement laitance and other contaminants which will affect the bonding. Captive/shot blasting and grinding of the concrete surface is recommended for cleaning the surface. Cracks, blow holes and surface imperfections should be repaired with Polypoxy BF or Polycrete ST (repair mortar). For larger areas, a scratch coat can be applied. The scratch coat can be prepared by mixing the Polyprime PU with Aggregate No. 8. The scratch coat can be applied by a notched trowel.



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#### Mixing

Pour Part B into the Part A pail and mix thoroughly with a mixing paddle for 1-2 minutes till a homogenous and uniform consistency is achieved. It is always recommended to mix a complete kit at a time. However, for small areas, part mixing may be carried out by employing proper weight measures.

#### Application

The mixed primer shall be applied within the working time of the product. Pour the mixed primer on the floor and spread it uniformly with a squeegee. Depending on the type of surface finish required, Polyprime PU shall be applied at a coverage rate of 4-5 m<sup>2</sup>/L. The coating is applied when the primer is dry. However, in all circumstances, the coating shall be applied within 24 hours of application of the primer. If the primer surface is left open for more than 24 hours, then a fresh coat of primer has to be re-applied.

### COVERAGE

Smooth finish

5 m<sup>2</sup>/L

## CLEANING

Clean all equipments with Polysolvent immediately after use. Hardened materials can be removed mechanically only.

## STORAGE & SHELF LIFE

Store the material in a cool, covered dry place. Do not expose the pails to direct sunlight and keep away from all sources of heat. In tropical climatic conditions, the product has to be stored in an airconditioned environment and protected from high humidity. The shelf life of the product is 12 months in unopened condition if stored as per the recommendations. Exposure to high temperature and humidity will result in considerable deterioration of the product and reduce its shelf life.

## HEALTH & SAFETY

As with all construction chemical products, caution should always be exercised. Protective clothing such as rubber gloves, safety goggles and face mask should be worn when handling the product. Treat any splashes to the skin or eyes with copious amount of fresh water. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

## SUPPLY

Polyprime PU	5L & 20 L kit
Polypoxy BF	3kg kit
Polycrete ST	25kg bag
Aggregate No. 8	25kg bag
Polysolvent	5L & 20L pails

## TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Color	Amber	-
Density, [g/cc]	1.10±0.05	ASTM D 1475
Application life, [mins]	30	
Initial cure, [hrs]	6 to 8	
Bond strength	Greater than the cohesive strength of concrete	ASTM D 454
Application temp, [°C]	5 to 35	

*All values given are subject to 5-10% tolerance*

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed. The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.