

MonniPrime PU

Polyurethane Primer

Product Description

MonniPrime PU is a single pack, modified Polyurethane primer designed to improve adhesion between a large variety of coatings and substrates. It acts as a sealer on porous substrates such as concrete and improves adhesion to difficult substrates such as non-ferrous metals.

Uses

- ▶ Recommended for Monneli's PU Resin System
- ▶ Can be applied to masonry concrete, cement render, precast concrete panels, metal and brick

Advantages

- ▶ Tough and flexible
- ▶ High chemical and hydrolysis resistance
- ▶ High abrasion resistance

Usage Instructions

Surface Preparation

All surfaces should be sound, clean, dry and free from loose and flaking material, efflorescence, laitance, curing compounds, dirt, oil and grease.

New concrete or cementitious surfaces should be allowed to cure and have moisture content not exceeding 5%. In case of old concrete floors use mechanical methods like grinding or blasting in order to provide a suitable clean surface. Expansion joints shall be repaired using MonniMort HS, a High strength solvent free epoxy mortar.

Metal surfaces must be perfectly cleaned up to the white metal by sand blasting, and then treated with one coat of MonniPrime PU before the oxidation process begins again.

Mixing

Stir MonniPrime PU thoroughly before use. Product is ready to use.

Application

MonniPrime PU is usually applied in one coat, using brush, roller or air brush spray gun, homogeneously covering the substrate. In certain cases, for complete sealing of substrate, a second coat may be necessary. Allow the primer to become tack-free. Over coating with the selected Monneli PU Resin System can be done within maximum 6 hours of application of the primer.

Cleaning

Clean tools with Monneli SOLVENTE 10 promptly before material hardens. Cured material must be mechanically removed.

Technical Data

Category	Typical Values
Appearance	Liquid
Color	Yellow
Mix Density	0.95 Kg /L @ 25°C
Adhesion to Concrete	>2.1N/mm ²
Re-coatable	after 3 hours
Fully Cured	7 days
Tack free time	Approx. 2 hours
Service Temperature	-5 to 80°C

All values are subject to 5-10% tolerance.

Consumption

Approximately 6-7 m²/Liter

Packaging

MonniPrime PU is available in 1 Liter can and 15 liters metal pails.

Shelf Life & Storage

Store the product in dry closed place with temperature between +5°C and +25°C. In these conditions, the product maintains its stability for 12 months.

Recommendations

- ▶ MonniPrime PU should not be applied on asphalt floor and PVC tiles
- ▶ MonniPrime PU should not be applied on the surface that has greater than 4% maximum moisture content

Legal disclaimer

Monneli endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Monneli has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Health & Safety

Avoid contact with skin & eyes. Protective clothing such as gloves & safety goggles should be worn during application. Treat any splashes to the skin or eyes with fresh water immediately.

Should the product be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure adequate ventilation at site and avoid inhalation of vapors.