

MixPRIME® PU100

Single component Polyurethane sealer / primer

MixPRIME® PU100 is a single component; modified polyurethane base surface stabilizing / penetrating multipurpose sealer primer for versatile application in porous and non-porous substrates prior to water proofing or flooring systems. MixPRIME® PU100 cures with atmospheric moisture reaction and form a flexible transparent film

Appropriation

Universal primer for Polyurethane

- water proofing
- Joint Sealants

Highly recommended for many types of surfaces-absorbent and non-absorbent

- Concrete roofs / terrace
- Power floating concrete
- Masonry
- Asbestos
- Asphalt / Bitumen
- Old acrylic coatings

Characteristics

Easy application

Dust proof

Anti-algal and anti-fungal

Suitable for pedestrian traffic

Low odor

Excellent adhesion to absorbent & non-absorbent surfaces

Coal Tar free

High impact resistance

Technical Data & Properties

Property	Data	Test method
Composition	Single component low viscous form	
Viscosity	1500 to 2000	Brookfield
Colour	Milky white	
Finish form	Clear film	
Adhesion to substrate	> 1.5N/mm ²	ASTM D 4541
Water vapor transmission	19g/Sq. m/day	ASTM E96
Shore A Hardness	>90	ASTM D 2240
Pot life (after mixing)	30 to 45 Min. at 25°C	
Application temperature	5°C to 50°C with RH <60%	
Touch dry / rain stability	6 hrs. at 25°C	
Recoatable	8-10 hrs. at 25°C	

Product Management

Surface preparation: Detailed surface preparation is the key element for optimum performance and durability of any water proofing system

The substrate to receive base primer need to be completely free from contaminants which may badly affect the adhesion. Concrete or masonry screed substrates shall be at least 28 days old and the moisture content should not be more than 5%. Ideal Substrate compressive strength should be at least 15N/mm² and bond strength at least 1.5N/mm² Old loose coatings, dead mortars, dirt, fats, oils, organic substances are need to be removed



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MixGUARD® HR5

Elastomeric fiber reinforced multi-layer waterproof cum heat reflective system

by grinding or any other mechanical scarifying. Possible surface undulations, Irregularities, shutter bleedings etc. need to be leveled or smoothed by grinding. Any loose surface pieces and grinding dust must be removed with air blower

Strictly do not wash the surface with water at the stage of base primer application. In case any such water jetting is required, allow the substrate to sufficient dry to reach the substrate moisture level less than 5%

Blow holes in concrete substrates shall be filled with MixBUILD® GP - repair putty. Surface cracks and cold joints must be widened and filled with Polyurethane or Acrylic sealant and building joints must be treated as per standard expansion / construction joint sealing practice

Mixing: Mix the compound with a slow speed mechanical stirrer to get a homogeneous mix before applying.

Application procedure: MixPRIME® PU100 can be applied by brush, roller or air less spray. It is recommended to apply a base surface stabilizing primer at 0.250L/m². In critical areas it is recommended to apply two coats

Cleaning: Immediately clean the tools with thinner or Solvent-100

Packing

MixPRIME® PU100 is available in 5, 10, 20 L packs

Storage

MixPRIME® PU100 shall be stored in cool, dry and shaded conditions. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per manufacturer's recommendations. In extreme tropical climate, the product shall be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life

Health & Safety

MixPRIME® PU100 contains resins and amines substance. Caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure the product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each product

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Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hands - on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. climatic disparity in temperature, humidity, etc... and porosity of substrate may impinge on the values.

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