

Sealer PU

Aliphatic Polyurethane Primer

Description	Two components aliphatic polyurethane used as a primer for subsequent Polyurethane coatings.
Where to use	As a primer prior to Epoxy/Polyurethane coating systems, and as a high grade non yellowing & glossy paint when colored, with enamel or varnish for metal, wood & plastics where a durable and aggressive atmospheric exposure is required.
Advantages	<ul style="list-style-type: none"> • Excellent penetration. • Good resistance to water. • Good resistance to chemicals, oils and petroleum products. • Re-coat-able. • Non-chalking, non-yellowing. • UV-resistant
Properties	
Density	1.3 g/cm ³
Color	Transparent
Solid content.	58 ±2 % By volume
Flash point.	31 °C
Fully Dry	5 Days
Pot life @ 23 °C	1 hours
Dry to recoat @ 23 °C	16 hours
Adhesion Strength	0.7 N/mm ²
It complies with ASTM B117,D4541,G154	
Surface Preparation	<p>Concrete Surface:</p> <ul style="list-style-type: none"> • The surface must be dry, clean, and free of oil, grease, laitance, or any loose particles. • All laitance and structurally unsound layers must be removed mechanically e.g. sandblasting, and cutting. • Vacuum cleaning is necessary. • Adhesive tensile strength of at least 1.5 N/mm² <p>Steel Surface:</p> <ul style="list-style-type: none"> • It's to be prepared with mechanical cleaning to St3 or sandblasted to Sa 2½ as per Swedish standards.
Surface conditions	<ul style="list-style-type: none"> • Substrate temperature is above the dew point with at least 5 °C. • Maximum relative humidity during application is 85%. • Good ventilation is necessary in confined spaces.
Mixing	<ul style="list-style-type: none"> • Stir well before mixing the hardener with the resin. • Stir using slow speed mixes 300 - 500 rpm for 2 minutes till a homogeneous is attained. • Thinning with Prosolve up to 5 % .
Application	<ul style="list-style-type: none"> • The material can be applied with brush, roller or airless spray. • Thinner should be added after mixing. • Too much thinning results in a lower sag resistance and a slower cure.
Cleaning	Equipment's and tools to be cleaned immediately after use with a solvent.
Theoretical coverage	0.15 – 0.2 Kg / m ² depending on substrate conditions
Packaging	5 Kg pails (A&B) 20 Kg pails (A&B)
Shelf life & Storage	At least 6 month, if stored in its original pails in a dry conditions.

Health and Safety

- Use goggles, gloves and breathing mas when applying.
 - Apply forced ventilation in confined spaces.
 - Skin splashes to be removed with hand cleaner, soap and water.
 - Eye splashes to be washed with plenty of water
 - If ingested seek medical advice.
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Additional Information

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PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range for our customer's satisfaction.

PROKEM reserves the right to change the properties of its products.

All orders are accepted subject to our current term of sale & delivery.

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