

Prothan TC

Aliphatic Polyurethane Top Coat

Description	Two components aliphatic polyurethane used as a top coat with gloss and color retention
Where to use	As a top coat over an epoxy paint system, and as a high grade non yellowing & glossy paint, enamel or varnish for metal, wood & plastics where a durable and aggressive atmospheric exposure is required.
Advantages	• Excellent resistance to atmospheric exposure • Excellent color and gloss retention • 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	All colors are available
Solid content	75 ±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
Acc. weathering resistance	No change/50 hours
Salt spray	No change/240 hours
It complies with ASTM B117, D4541, G154	
Surface Preparation	• The surface must be clean and dry • Surface contaminants are to be removed like oil and grease with special detergent followed by water cleaning • Surface must be free from rust, scale and others • It's to be prepared with mechanical cleaning to St3 or sandblasted to Sa 2½ as per Swedish standards
Surface conditions	• 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 • Previous coat as epoxy must be dry and clean
Mixing	• 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 solvent up to 10 %
Application	• The material can be applied with brush, roller or airless spray • Thinner should be added after mixing • Too much thinner results in a lower sag resistance and slower cure
Cleaning	Equipment's and tools to be cleaned immediately after use with a solvent
Theoretical coverage	0.175 – 0.26 Kg/m ² for a total thickness of 100 – 150 microns 2 coats are recommended
Packaging	5 Kg pails (A&B) 20 Kg pails (A&B)
Shelf life & Storage	At least 6 months, if stored in its original pails in a dry condition

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

PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure

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

Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request

PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products