

Product Data Sheet
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Identification No. P - 23



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.
- Recoatable.
- Non-chalking, non-yellowing.
- UV-resistant

Properties

Density	1.2kg/cm ³ (after mixing)
Color.	All colors are available
Solid content.	47% By volume
Flash point.	31°C.
Fully Dry	5 Days
Pot life at 23°C.	1 hours
Dry to recoat at 23°C	16 hours

How to use

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. Its 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 and tools to be cleaned immediately after use with a solvent.

Theoretical Coverage:

11.75 m² /L for 40 micron d.f.t

Packaging:

1,5 Kg pails (A&B)

Shelf Life & Storage:

At least 12 month , if stored in it's original pails in a dry conditions.

Health and Safety

- Use goggles, gloves and breathing mask 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.

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 when there is critical applications that require specific requirements.

For our customer's satisfaction, **PROKEM** extends technical services to include after sales support to assist users in a proper handling of our products.