

DESCRIPTION

KEN THANE 5000 is a new formulation that can reduce drying time greatly and KEN THANE 5000 is high build, direct to metal Polyaspartic urethane coating that can be applied in a single coat.

RECOMMENDED USE

- Suitable for use in steel structure buildings and Bridges.
- Replaces conventional epoxy/urethane systems.
- Suitable for use in the Mining & Minerals Industry.
- Direct to properly prepared steel and galvanizing in industrial environments.

SPECIFICATION DATA

Gloss	High Gloss
Colour	Wide range of colours.
Specific gravity	1.6± 1 kg/ litre.
Solid by volume	70% ± 2%, mixed, may vary by colour
Recommended	Dry film thickness : 150 – 250microns. Wet film thickness : 217 - 362 microns.
Coverage theoretical	4,6 m ² / litre – 150 microns.: 2,8 m ² / litre –250 microns
Dry time	

Temperature	Touch dry	Hard dry
25°C	60 minutes	2 hours
30°C	45 minutes	1.6 hours
36°C	40 minutes	1.3 hours
40°C	30 minutes	1 hours

Full cure	7 days.
Painting interval	Min: 40 minutes Max: Extended
VOC(EPA Method 24)	265 g/L; 2.21 lb/gal, mixed, may vary by colour
Pot life	1.5 Hours @24°C and less at higher temperature. (After mixing the components).
Shelf life	24 months (cool & Dry Place) In some markets commercial shelf life can be dictated shorter by local legislation. The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

Steel

Abrasive blast clean to a minimum of Sa2½ (ISO 8501-1:2007) or SSPC-SP6. If oxidation has occurred between blasting and application of KEN THANE 5000 the surface should be re-blasted to the specified visual standard. Surface defects revealed by the blast cleaning process should be ground, filled, or treated in the

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appropriate manner. A surface profile of 40-60 microns (1.6-2.4 mils) is recommended. Lower surface profiles of 20-30 microns (0.8-1.2 mils) can be used to improve the overall aesthetics of the overall paint system.

CONDITION APPLICATION

- Temperature : 1.6°C minimum, 49°C maximum (air, surface, and material) At least 2.8°C above dew point
 - Relative humidity : 85% maximum
- Refer to product Application Bulletin for detailed application information.

INSTRUCTION FOR USE

- Mixing ratio by volume: Base; Hardener = 3:1
- The temperature of the mixed base and hardener should be above 15°C, otherwise extra solvent may be required to obtain application viscosity.
- Stir well before use preferable by means of mechanical agitator.
- Too much solvent result in lower sag resistance and slower cure.
- Thinner should be added after mixing components (is required only).

APPLICATION DETAILS

Method of application	Airless spray	Air Spray	Roller/brush
Thinner No.	KEN TH 016	KEN TH 016	KEN TH 016
Volumer of thinner	Max. 10%	Max 15%	Max. 5%
Nozzle orifice	0.018 (0.46 mm)	1.5-2 mm	-
Nozzle pressure	150 Bar (2100 psi)	3-4 Bar / 57 psi	-
Cleaning solvent	KEN TH 016	-	-

SAFETY PRECAUTION

Keep away from heat, spark and open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in cool, ventilated area when not in use. Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazard. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interior and building.

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