



Korethan Topcoat H.S. UT6582 (Two-Component)

Product Description A two-component, quick drying type, polyurethane resin based high solid finish coat with very good resistance against splash and spillage of acids, alkalis, solvents, salts and water. It also has outstanding weather resistance and color retention.

Recommended Use As a finish coat for use on steel or concrete structure under severe chemical or weathering corrosion condition at chemical processing, petrochemical and similar industries such as marine tank, waste treatment equipment.

Physical Properties

Finish and Color High gloss. White (1000), Yellow (3332), Green (4440), Black (1999)

* For more available color, consult with KCC's business department.

Drying Time

Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
Set to touch	7 h	2 h	1 h
Dry through	48 h	24 h	18 h

*The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions should be checked and informed by KCC.

Solids by Volume Approx. 70 % (Determined by ISO 3233)

Theoretical Spreading Rate 14.0 m²/L in 50 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.4 for Mixture of Base and Curing agent.

Flash Point
Base (UT6582 PTA) : 29 °C/84 °F (Closed cup)
Curing Agent (UT6582 PTB) : 38 °C/100 °F (Closed cup)

Application Details

Surface Preparation Remove any oil, grease, dirt and any other contaminants from the surface before painting by proper method such as solvent cleaning and fresh water washing, etc.

Application Conditions The surface should be cleaned and dried completely. Do not apply when relative humidity is above 85 %. The surface temperature should be at least 2.7 °C (5 °F) above dew point to prevent condensation. In confined spaces, ventilate with clean air during application to assist solvent evaporation.

Mixing Base (Part A) : Curing Agent (Part B) = 6 : 1 (by volume)
Mix thoroughly together prior to application in the proportions with power agitator as delivered.

Pot Life 4 h at 20 °C/68 °F

Preceding Coat Korepox EH2350, Korepox EH2351, Korepox H.B. EH6270, Korepox H.S. EH4158(H), Korethan H.B. UH279, or according to specification.

Thinning Thinner No. 0624
Do not dilute each components separately.

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.

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Application Method Spray (Airless or Air), Roller or Brush application.
For airless spray application ;
Nozzle orifice : 381 μm ~ 533 μm (0.015" ~ 0.021")
Output pressure : 11.7 MPa ~ 15.2 MPa
Fan : 40° ~ 60°
(Airless spray data are indicative and subject to adjustment)

Typical Film Thickness 40 ~ 75 μm dry.
Depending on the purpose and the area of use, different film thickness may be applied.

Recoating Interval At 20 °C/ 68 °F, Minimum : 12 h
Maximum : Free

Before overcoating, remove the oil, salts, chalking materials and any other contaminants on aged coating film completely by proper cleaning method such as solvent cleaning and/or fresh water washing.

Shelf Life PTA : 36 months
PTB : 24 months

Heat Resistance Continuous : 93 °C/200 °F (Non-immersion service)
Non-continuous : 121 °C/250 °F (Non-immersion service)

Chemical Resistance

	Acids	Alkalis	Solvents	Salts	Water
Splash & Spillage	Good	Good	Fair	Excellent	Excellent
Fumes	Excellent	Excellent	Good	Excellent	Excellent

Standard Packing Unit 15 L (UT6582 PTA : 12.9 L, UT6582 PTB : 2.1 L)

Remarks Do not store at temperature below 5 °C/41 °F or above 40 °C/104 °F.
Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors.
Use with adequate ventilation.
Respiratory protection is recommended when applying this product in confined spaces or stagnant air.

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