

## Korethan Topcoat UT6581(H1) (Two-Component)



**Product Description** A two-component, quick drying type, polyurethane resin based 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), Grey (1128), 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. 57 % (Determined by ISO 3233)

**Theoretical Spreading Rate** 14.2 m<sup>2</sup>/L in 40 μm dry film thickness on a smooth surface.

**Specific Gravity** Approx. 1.2 ~ 1.4 for Mixture of Base and Curing agent.

**Flash Point**  
Base (UT6581 PTA) : 29 °C/84 °F (Closed cup)  
Curing Agent (UT6581 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) = 7 : 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. EH4158H, Korethan H.B. UH279, or according to specification.

**Thinning** Thinner No. 037U, 0624  
Do not dilute each components separately, only the mixture.

This data is believed to be accurated but without any obligation

Please consult with our technical department for detail information . .

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<b>Application</b>	Spray (Airless or Air), Roller or Brush application.					
<b>Method</b>	For airless spray application ; Nozzle orifice : 381 $\mu\text{m}$ ~ 533 $\mu\text{m}$ (0.015" ~ 0.021") Output pressure : 11.7 MPa ~ 15.2 MPa Fan : 40 ° ~ 60 ° (Airless spray data are indicative and subject to adjustment)					
<b>Typical Film Thickness</b>	40 $\mu\text{m}$ dry. Maybe specified in another film thickness than indicated depending on purpose and area of use.					
<b>Recoating Interval</b>	At 20 °C / 68 °F, Minimum : 18 h Maximum : Free  Prior to 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.					
<b>Shelf Life</b>	12 months					
<b>Heat Resistance</b>	Continuous : 93 °C / 200 °F (Non-immersion service) Non-continuous : 121 °C / 250 °F (Non-immersion service)					
<b>Chemical Resistance</b>		Acids	Alkalis	Solvents	Salts	Water
	Splash & Spillage	Good	Good	Fair	Excellent	Excellent
	Fumes	Excellent	Excellent	Good	Excellent	Excellent
<b>Standard Packing Unit</b>	16 L (UT6581(H1)-A : 14 L, UT6581(H1)-B : 2 L)					
<b>Remarks</b>	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. If you apply metallic colour(9181) as T/UP, colour difference could occur. So please contact technical department before the application.					
<b>Issued</b>	August 2012					

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