



Korethan Topcoat UT6581 (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 and industrial environments.

Physical Properties

Finish and Color High gloss. White (1000), Grey (1128)
* 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. 52 % (Determined by ISO 3233)

Theoretical Spreading Rate 13.0 m²/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-A) : 29 °C/84 °F (Closed cup)
Curing Agent (UT6581 -B) : 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 H.B EH6270 or according to specification.

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

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 μm dry. Maybe specified in another film thickness than indicated depending on purpose and area of use.
Recoating Interval	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.
Shelf Life	12 months
Heat Resistance	Continuous : 93 °C / 200 °F (Non-immersion service) Non-continuous : 121 °C / 250 °F (Non-immersion service)
Standard Packing Unit	16 L (UT6581 -A : 14 L, UT6581-B : 2 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. If you apply metallic colour (RAL9006(H), Semi-gloss) as T/UP, colour difference could occur. So please contact technical department before the application.
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