



Korethan H.B. UH279 (Two-Component)

Product Description A two-component, acrylic polyurethane resin based non-yellowing type coating with excellent color retention, and strong adhesion properties. It is quick drying type coating with good resistance against water, weathering and chemicals.

Recommended Use As intermediate or finish coat for use on the steel surfaces exposed to strong climate attacks such as steel containers and heavy industrial equipments.

Physical Properties

Finish and Color Flat. Grey (1105, 1130)

Drying Time	Substrate temperature	5 °C / 41 °F	20 °C / 68 °F	30 °C / 86 °F
	Set to touch	1.5 h	0.5 h	0.4 h
	Dry through	12 h	5 h	4 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. 41 % (Determined by ISO 3233)

Theoretical Spreading Rate 5.50 m²/L in 75 μm dry film thickness on a smooth surface

Specific Gravity Approx. 1.10 ~ 1.40 for Mixture of Base and Curing agent

Flash Point Base (UH279 PTA) : 4 °C / 39 °F (Closed cup)
Curing agent (UH279 PTB) : -4 °C / 25 °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 areas, ventilate with clean air during application to assist solvent evaporation.

Mixing Base (Part A) : Curing Agent (Part B) = 9 : 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 Zinc Rich Primer EZ175, Korepox Primer EP170ST, or according to specification.

Thinning Thinner No. 037U
Do not dilute the 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 : 483 μm ~ 584 μm (0.019" ~ 0.023") Output pressure : 15 MPa ~ 17 MPa Fan : 40 ° ~ 60 ° (Airless spray data are indicative and subject to adjustment)
Typical Film Thickness	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 : 5 h Maximum : Free Before overcoating, remove the oil, salt, chalking material and any other contaminants on aged coating film completely by proper cleaning method such as solvent cleaning and/or fresh water washing.
Subsequent Coat	Korethan Topcoat UT6581, Korethan Topcoat UT6585, Korexane ST1020 or according to specification.
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 (UH279 PTA : 14.4 L, UH279 PTB : 1.6 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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