



Korethane enamel UT581 is a two-component, acrylic polyurethane resin based finish coating with excellent color and gloss retention, workability and durability. It provides a tough film having outstanding resistance to chemical and weathering

Recommended use	As a topcoat for use on the guard rail, the roof and the general steel appliance, etc.
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Physical Properties

Finish and Color	Gloss : UT581, Semi-gloss : UT581(S), Flat : UT581(F) Colors are depending on KCC's standard color card, and other colors are available on request.
Specific gravity	Approx. 0.9 ~ 1.2 (kg/ℓ).
Solids by volume	Approx. 36%
Spreading rate (Theoretical)	9m ² /ℓ in 40 microns dry film thickness on a smooth surface.
Flash point	18°C ~ 20°C / 59°F ~ 68°F (Closed cup)
Viscosity	60~70KU (25°C)

Application details

Surface preparation	● For repair work : Sand the failure areas of paint film cleanly, and allow to dry thoroughly. ● For new work : Remove any dust, oil , grease and other impurities from the surface to be coated and allow to dry completely.
Preceding coat	Korethane primer UP171 or UP195 + Epoxy primer EP1160(H)
Method of application	Air spray application. Nozzle orifice : 1.3 ~ 1.5 mm Output pressure : 4 ~ 5 atm (Above air spray data are indicative and subject to adjustment). Use the well strained paint.
Thinning	Thinner No. 037U or 0278(HD)(Thinning ratio : 20 ~ 30%). Adjust the paint viscosity up to 16 ~ 20 seconds in Ford Cup No. 4. Do not dilute components separately, only the mixture.
Substrate	STEEL
Application conditions	Preferred, temperature during application is 25°C/77°F, and relative humidity preferably below 85%.
Film thickness	Recommended per coat 30 ~ 40 microns dry. 2 ~ 3 coats are recommendable.
Drying time	At 20°C/68°F, Set to touch : Approx. 10 minutes Fully cured : Approx. 7 days Force drying : 80°C / 176°F x 20 minutes
Pot life	At 20°C/68°F, MIN. 4 hours.

Recoating interval	At 20°C /68°F, MIN. 4 hours MAX. not available
Storage and package	
Shelf life	12months
Packing Unit	16L (PTA : PTB) = 13.7L : 2.3L 4L (PTA : PTB) = 3.43L : 0.57L
Remarks	
Handling	Protect skin and eyes, and avoid prolonged breathing of solvent vapors
Precautions	Use with adequate ventilation. Keep the recommended film thickness at application. Thick film per coat may result in bubbling defect. Clean tools immediately after use.
1'st issue	2015-05-01
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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.

