



Korethane enamel UT6780 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. It has no heavy-metal materials, so can improve the environment of your work place and meet the international environmental regulations.

<b>Recommended use</b>	As a topcoat for use on heavy-industrial equipment, transformer, gas insulated switchgear, tank, container and the general steel appliance, etc.
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### Physical Properties

<b>Finish and Color</b>	Gloss, Semi gloss, Flat Colors are depending on KCC's standard color card, and other colors are available on request except for yellowish, redish, orangish color.
<b>Specific gravity</b>	Approx. 0.9 ~ 1.3 (kg/ℓ).
<b>Solids by volume</b>	Approx. 32~38% It's depended on color
<b>Spreading rate (Theoretical)</b>	9~10m <sup>2</sup> /ℓ in 40 microns dry film thickness on a smooth surface
<b>Flash point</b>	23°C ~ 32°C / 73°F ~ 89°F (Closed cup)
<b>Viscosity</b>	Approx. 60~70 Ku (25°C)

### Application details

<b>Surface preparation</b>	* 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.
<b>Preceding coat</b>	Korethane primer UP171PTA or UP195 Also you could Korethane surfacer UU271.
<b>Method of application</b>	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.
<b>Thinning</b>	Thinner No. ZY0404(HCE), 0278(HD) or 037U(Thinning ratio : 5 ~ 10% by Vol.). Adjust the paint viscosity up to 16 ~ 20 seconds in Ford Cup No. 4. Do not dilute components separately, only the mixture.
<b>Application conditions</b>	Preferred, temperature during application is 15°C/59°F~25°C/77°F, and relative humidity preferably below 35~85%.
<b>Film thickness</b>	Recommended per coat 40~ 50 microns dry. 1 ~ 2 coats are recommendable
<b>Drying time</b>	At 20°C /68°F, Set to touch : Approx. 30 minutes Dry hard : Approx. 10 hours. Fully cured : Approx. 7 days Force drying : 80°C/ 176°F x 30 minutes

<b>Pot life</b>	Approx. 8 hours ( at 20°C / 68°F, 40% diluted)
<b>Recoating interval</b>	At 20°C/68°F, MIN. 10 hours

<b>Storage and package</b>	
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<b>Shelf life</b>	1 year from date of manufacture
<b>Packing Unit</b>	16L(PTA : PTB = 10.6L : 5.4L) 4L (PTA : PTB = 2.66L : 1.34L)

<b>Remarks</b>	
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<b>Note</b>	Protect skin and eyes, and avoid prolonged breathing of solvent vapors 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.
<b>1'st issue</b>	2016-01-01
<b>Revision</b>	2017-03-21

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.

