



High solid urethane UT5114 is a two-component, HIGH SOLID acrylic polyurethane resin based finish with excellent color and gloss retention, workability and durability. It forms a tough film with very good resistance to weathering and chemicals. It has no heavy-metal materials, so can improve the environment of your work place and meet the international environmental regulations.

Recommended use	As a topcoat for use on heavy-industrial equipment. transformer, gasinsulated switchgear, tank container and the general steel appliance, etc
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Physical Properties

Finish and Color	Gloss, Semi gloss, Flat Colors are depending on KCC's standard color card, and other colors are available on request.
Specific gravity	Approx. 0.9 ~ 1.3 (kg/ℓ).
Solids by volume	Approx. 55~65% It's depended on color
Spreading rate (Theoretical)	15.47㎡/ℓ in 40 microns dry film thickness on a smooth surface.
Flash point	23℃ ~ 32℃ / 73°F ~ 89°F (Closed cup)
Viscosity	Approx. 75~85 Ku (25℃)

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	Korepox Primer : EP1112, EP1160, EP1160(H), EP170, EP1730 ETC Korethane primer UP171PTA or UP195 Also you could Korethane surfacer UU271.
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. ZY0404(HCE), 0278(HD) or 037U(Thinning ratio : 10 ~ 30% by Vol.). Adjust the paint viscosity up to 16 ~ 18 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 40 ~ 50 microns dry. 1 ~ 2 coats are recommendable.
Drying time	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
Pot life	Approx. 8 hours (at 20°C / 68°F, 40% diluted)
Recoating interval	At 20°C/68°F, MIN. 6 hours
Storage and package	
Shelf life	12months
Packing Unit	16L (Base : Curing Agent = 14L : 2L) 4L (Base : Curing Agent = 3.5L : 0.5L)
Remarks	
Handling	Avoid humidity and direct sunlight.
Precautions	Mix thoroughly prior to application. Keep containers closed when not in use. Keep away from sparks and open flames. Avoid prolonged breathing of solvent vapors and contact with skin and eyes. In case of eyes contact, flush immediately with plenty of water for at least 15 minutes. Use with adequate ventilation. Respiratory protection is recommended when spraying this material in confined space or stagnant air.
Note	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.
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Revision	

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.

