



MoreCoat Multi-purpose Urethane is an acrylic polyurethane resin based paint which has an excellent gloss retention and durability . It is air-drying high-quality finishing coat for interior and exterior with excellent hiding power, workability and resistances against water.

Recommended use	- Use on Interior and Exterior
	- Wood / Metal / Non-ferrous metal / Concrete / Ceramics
	- previously coated surfaces

Physical Properties

Finish and Color	A. Finish: Gloss
	B. Color: Available on request.
	C. Vehicle Type: Acrylic polyurethane
Specific gravity	app. 1.1 (according to color)
Solids by volume	app. 41% (according to color)
Spreading rate (Theoretical)	13.6 m ² /L (DFT 30μm)
Flash point	27°C/80.6°F (Closed cup)
Flexibility	No Cracking or Flaking (according to condition)

Application details

Surface preparation	* Surfaces must be clean and free of dirt, grease, wax, mildew and scaling paint. * Remove contaminants by fresh water washing and solvent cleaning thoroughly. * Rinse with clean water. If mildew is present, it must be removed with a commercial mildewcide solution. ※ CAUTION : Use rubber gloves, work goggles, and protective clothing when applying mildew wash.
Preceding coat	* New Steel : Best cleaning to Sa 2, and apply Zinc oxide primer LP113 or Multipurpose Primer EP1730. * Non-ferrous metal : Remove any dust, oil and other impurities from the surface to be coated, and apply Multipurpose Primer EP1730 as on primer if necessary. * Concrete : Remove any dust, oil and other impurities from the surface to be coated, and apply UP166(T) as on primer if necessary. * Wood / Ceramics : Remove any dust, oil and other impurities from the surface to be coated, and apply on primer if necessary.
Method of application	Brush, Roller, Spray (air or airless) application. * For airless spray application ; Nozzle orifice : 0.017" ~ 0.019" Output pressure : 2,100 psi/143 atm. Fan : 65° Thinning : Max. 15% (Airless spray data are indicative and subject to adjustment).
Mixing	Base(PTA) : Curing Agent(PTB) = 3 : 1 (by Volume)

	* Mix thoroughly with High speed dissolver for 5 minutes prior to application.				
Thinning	THINNER No. 029K / 002 (Thinning ratio : Max. 15% by volume)Base(PTA) : Curing Agent(PTB) = 3 : 1 (by Volume) * Mix thoroughly with High speed dissolver for 5 minutes prior to application. Because of adhesion, avoid excessive thinning.				
Application conditions	* The surface must be completely clean and dry. * Do not apply when the room temperature is less than 5℃/41°F and relative humidity is above 85%. * The surface temperatures must be at least 3℃ above dew point to prevent condensation.				
Film thickness	Recommended per coat 30 microns dry. Apply 2 times with proper film thickness.				
Drying time		10℃/50°F	20℃/68°F	30℃/86°F	
	Set to touch	50 min	25 min	15 min	
	Dry hard	16 hours	12 hours	8 hours	
	* 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.				
Pot life		10 ℃/50 °F	20 ℃/68 °F	30 ℃/86 °F	
	Pot Life		5 hr	4 hr	3 hr
	Recoating Interval	Min	16 h	12 hr	8 hr
		Max	5 day	3 day	2 day
Storage and package					
Shelf life	12 months				
Storage	Store in cool, dry, well-ventilated place.(Temp at -5℃~35℃)				
Packing Unit	16 L, 3.6 L				
Remarks					
Note	A. Protect skin and eyes, and avoid prolonged breathing of solvent vapors. B. Wear the protective mask, protective glasses, gloves and suitable protective equipment. C. Use with adequate ventilation. D. Respiratory protection is recommended when applying this product in confined spaces or stagnant air. E. This product contains flammable solvents. Keep away from sparks and open flames. F. For additional safety information, refer to the Material Safety Data Sheet for this product on our internet Homepage(www.kccworld.co.kr)				
1'st issue	2011-08-01				
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.

