



SPORTHANE HIGH HARD LAYER TOPCOAT(EXTERIOR) is a two component, quick drying, polyurethane resin based finishing coat with excellent workability and resistance to weathering, abrasion, chemicals and crack

Recommended use	As a finishing coat for use on floor coating with high hardness(Outdoor)
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Physical Properties

Finish and Color	Gloss. Flat. Semi-gloss, Green. Other colors are available on request
Specific gravity	Approx. 1.2~1.3
Solids by volume	Approx. 58%
Spreading rate (Theoretical)	0.11Kg/m ² in 50 microns dry film thickness on a smooth surface
Flash point	27°C (Closed cup)

Application details

Surface preparation	Remove any oil, moisture, dust and other contaminants from the surface to be coated.			
Preceding coat	SPORTHANE PRIMER / SPORTHANE HIGH HARD LAYER MIDCOAT SPORTHANE PRIMER / SPORTHANE SUPER HARD LAYER MIDCOAT SPORTHANE PRIMER / SPORTHANE THIN FLIM FLOOR COAT or according to specification.			
Method of application	Brush, Roller, Spray(Spattering) application.			
Mixing	1. Gloss Base(PTA) : Curing Agent(PTB) = 2 : 1 (by weight) 2. Semi-gloss Base(PTA) : Curing Agent(PTB) = 3.5 : 1 (by weight) 3. Flat Base(PTA) : Curing Agent(PTB) = 3.5 : 1 (by weight) Mix thoroughly with high speed dissolver for 5 minutes prior to application.			
Thinning	SPORTHANE THINNER. (Thinning ratio : Max. 20% by volume)			
Application conditions	The surfaces must be completely clean and dry. Do not apply when the temperature is less than 5°C/41°F, and relative humidity is above 80%. The surface temperatures must be at least 3°C(5°F) above dew point to prevent condensation			
Film thickness	Recommended per coat 50 microns dry			
Drying time		10 °C/50 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	40 mins	20 mins	10 mins
	Dry through	10 hours	8 hours	6 hours

	Fully cured		7 days	5days	4days
Pot life			5 °C /41 °F	20 °C /68 °F	30 °C /86 °F
	Pot Life		3 hours	2 hours	1 hours
	Recoating Interval	Min	18 hours	9 hours	6 hours
		Max	5 days	3 days	2 days

Storage and package

Shelf life	BASE (PTA) : 12 months			
	CURING AGENT (PTB) : 12 months			
Storage	Store in cool, dry, well-ventilated place			
Packing Unit	1. Gloss Base(PTA) : Curing Agent(PTB) = 11 Kg : 5.5 Kg 2. Semi-gloss Base(PTA) : Curing Agent(PTB) = 19.5 Kg : 5.5 Kg 3. Flat Base(PTA) : Curing Agent(PTB) = 19.5 Kg : 5.5 Kg			

Remarks

Note	Keep the thinning ratio(Max.25%), or the color separation and blemish will occur. Mixture(PTA & PTB) should be applied within 2 hours(10°C,20°C), 1 hours(30°C), or adhesion will be decreased. If the surface is not tacky from rain and snow, SPORTHANE PRIMER should be applied prior to application. In this time, spreading rate of SPORTHANE PRIMER is 0.1Kg/㎡. Thick film per coat may result in bubbling defect. Avoid humidity. Protect skin and eyes, and prolonged breathing of solvent vapors. In case of contact, wash with organic solvent and followed by soap and water cleaning. Keep away from sparks and open flames. Use adequate ventilation.
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Revision	2011-09-01

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.

