



SPORTHANE HIGH HARD LAYER MIDCOAT is a two component, polyurethane resin based floor coating with high hardness and elongation to provide adaptability to crack of substrate.

Recommended use	As floor coating with high hardness and elongation, parking lot floor, Facilities (office, hospital) floor, etc
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Physical Properties

Finish and Color	Gloss. Green, Light grey Other colors are available on request.
Specific gravity	Approx. 1.2
Solids by volume	Above 94 %
Spreading rate (Theoretical)	3.9Kg/m ² in 3m/m dry film thickness on a smooth surface.
Flash point	27°C /80.6°F (Closed cup).

Application details

Surface preparation	Do not apply coating unless concrete has cured at least 28 days at 20°C /68°F and below 80% R.H or equivalent. Moisture content of the surface must be below 6%. The surface should be free of laitance. This can be accomplished by finishing technique, abrasive blasting, grinding, etc.			
Preceding coat	SPORTHANE PRIMER or according to specification. SPORTHANE PRIMER + Scraping : SPORTHANE HIGH HARD LAYER MIDCOAT (0.5~0.8mm)			
Method of application	Rake and Spatula.			
Mixing	PTA(Part A) : PTB(Part B) = 1.17 : 1 (by Weight). Mix separately, then combine together and mix thoroughly with high speed dissolver for 5 minutes prior to application.			
Thinning	Do not dilute.			
Application conditions	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.			
Drying time		5°C /41°F	20°C /68°F	30°C /86°F
	Set to touch	10 hours	5 hours	3 hours
	Dry through	48 hours	24 hours	18 hours
	Fully cured	10 Days	5 Days	3 Days
Subsequent Coat	SPORTHANE HIGH HARD LAYER TOPCOAT, SPORTHANE HIGH HARD LAYER TOPCOAT (EXTERIOR) or according to specification.			
Pot life		5°C /41°F	20°C /68°F	30°C /86°F
	Pot Life	50 mins.	30 mins.	20 mins.
	Recoating Interval	Min	48 hours	24 hours
		Max	72 hours	48 hours

Recoating interval	Recommended per coat 2– 3m/m dry (Except for scraping)
Storage and package	
Shelf life	PTA, PTB : 12 months * Store in cool, dry, well-ventilated place.
Packing Unit	Base(PTA) : Curing Agent(PTB) = 21.06 Kg : 18 Kg Base(PTA) : Curing Agent(PTB) = 10.8 Kg : 9.2 Kg
Remarks	
Note	f 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/m². Bubbling may occur in case of applying this material in the high temperature (air : above 28°C/82°F, surface : above 40°C/104°F). Do not store at temperature above 30°C/86°F. Use adequate ventilation. Avoid contact with skin and eyes, and prolonged breathing of solvent vapors. In case of contact, wash with organic solvent and followed by soap and water cleaning. Respiratory protection is recommended when applying this product in confined spaces or stagnant air. Clean equipment with SPORTHANE THINNER 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.

