



SPORTHANE NON-EXPOSURE WATERPROOFING COAT is a two component, polyurethane resin based waterproof coating with elongation to provide adaptability to crack of substrate.

Recommended use	As a waterproof coating for hidden area of roof and other parts of buildings.
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Physical Properties

Finish and Color	Black Other colors are available on request.
Specific gravity	Mixed : Approx. 1.47
Spreading rate (Theoretical)	4.85Kg/m ² in 3m/m dry film thickness on a smooth surface
Flash point	130 °C(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 NON-EXPOSURE WATERPROOFING COAT (0.5~0.8mm)			
Method of application	Rake, Roller, Spatula.			
Mixing	PTA(Part A) : PTB(Part B) = 3 : 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.			
Film thickness	Recommended per coat 2- 3m/m dry (Except for scraping)			
Drying time		5°C/41°F	20°C/68°F	30°C/86°F
	Set to touch	10h	5h	3~1h
	Dry through	48h	24h	18h
	Fully cured	10days	5days	3days
Subsequent Coat	Protection mortar or according to specification.			
Pot life		5°C/41°F	20°C/68°F	30°C/86°F
	Pot Life	50min	30min	20min
	Recoating Interval	Min. 48h	24h	18h
	Recoating Interval	Max. 92h	48h	36h

Storage and package

Shelf life	PTA : 12 months PTB : 12 months
Storage	* Store in cool, dry, well-ventilated place.
Packing Unit	PTA(Part A) : PTB(Part B) = 24 Kg : 8 Kg PTA(Part A) : PTB(Part B) = 15 Kg : 5 Kg

Remarks	
Note	<p>If the surface is not tacky from rain and snow, SPORTHANE PRIMER should be applied prior to application.</p> <p>In this time, spreading rate of SPORTHANE PRIMER is 0.1Kg/m².</p> <p>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.</p> <p>Use adequate ventilation. Avoid contact with skin and eyes, and prolonged breathing of solvent vapors.</p> <p>In case of contact, wash with organic solvent and followed by soap and water cleaning.</p> <p>Respiratory protection is recommended when applying this product in confined spaces or stagnant air.</p> <p>Clean equipment with SPORTHANE THINNER immediately after use.</p>
1'st issue	2016-01-01
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.



SPORTHANE PRIMER (One-Component)



OVERVIEW

SPORTHANE PRIMER is a moisture curing polyurethane resin based coating with very quick drying. It penetrates into substrate of cement and concretes deeply, and enhances the surface strength, and promotes the adhesion between substrate and subsequent coat.

- **Recommended Use**

As a primer cement and concretes.

PHYSICAL PROPERTIES

1. Finish and Color

Clear.

2. Drying Time

Substrate temperature	5°C/41°F	20°C/68°F	30°C/86°F
Set to touch	30mins	10mins	5mins
Dry through	1hour	40mins	30mins
Fully cured	2hours	80mins	1hour

3. Solids by Volume

Above 33%

4. Spreading Rate (Theoretical)

8m²/L in 43microns dry film thickness on a smooth surface.

5. Specific Gravity

Approx. 1.04 (kg/L)

6. Flash Point

25°C/81°F (Closed cup).

APPLICATION DETAILS

1. Surface Preparation

Remove fins, protrusions, laitance and other impurities from the surface to be coated. Repair the severely damaged areas with cement mortar or resin mortar. Do not apply when the temperature is less than 5°C/41°F and relative humidity is above 80%.

2. Application Conditions

The surfaces temperature must be above the dew point to avoid condensation.

3. Thinning

SPORTHANE THINNER (Thinning ratio : Max. 30% by volume)

4. Method of Application

Brush, Roller, Spray(air or airless) application.

5. Film Thickness

Recommended per coat 43 microns dry.

6. Subsequent Coat

SPORTHANE WATERPROOFING BASE or SPORTHANE WATERPROOFING COAT KS CLASS 1 PTA as per specification.

7. Recoating Interval

At 20°C Min. : 2hours

Max. : 24hours

Remarks

If the surface is not tacky from rain and snow, it should be slightly sanding and then 30% mixed with SPORTHANE thinner. SPORTHANE PRIMER should be applied prior to application. Avoid humidity. Protect your 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.

Issued

FEB, 2011

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 **KCC Corporation**