



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

|                        |                                                                                          |
|------------------------|------------------------------------------------------------------------------------------|
| <b>Recommended use</b> | As floor coating with high hardness and elongation, parking lot floor, plant floor, etc. |
|------------------------|------------------------------------------------------------------------------------------|

### Physical Properties

|                                     |                                                                      |
|-------------------------------------|----------------------------------------------------------------------|
| <b>Finish and Color</b>             | Gloss. Green.<br>Other colors are available on request.              |
| <b>Specific gravity</b>             | Approx. 1.2                                                          |
| <b>Solids by volume</b>             | Above 91.5%                                                          |
| <b>Spreading rate (Theoretical)</b> | 3.9Kg/m <sup>2</sup> in 3m/m dry film thickness on a smooth surface. |
| <b>Flash point</b>                  | 38°C/100.4°F (Closed cup).                                           |

### Application details

|                               |                                                                                                                                                                                                                                                                                                    |  |  |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>Surface preparation</b>    | * 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. |  |  |
| <b>Preceding coat</b>         | SPORTHANE PRIMER or according to specification. SPORTHANE PRIMER + Scraping : SPORTHANE SUPER HARD LAYER MIDCOAT (0.5~0.8mm)                                                                                                                                                                       |  |  |
| <b>Method of application</b>  | Rake and Spatula.                                                                                                                                                                                                                                                                                  |  |  |
| <b>Mixing</b>                 | Base(PTA) : Curing Agent(PTB) = 1 : 1(by weight).<br>Mix separately, then combine together and mix thoroughly with high speed dissolver for 5 minutes prior to application.                                                                                                                        |  |  |
| <b>Thinning</b>               | Do not dilute.                                                                                                                                                                                                                                                                                     |  |  |
| <b>Application conditions</b> | Do not apply when the temperature is less than 5°C/41°F, and relative humidity is above 80%.<br>The surface temperatures must be at least 3°C(5°F) above dew point to prevent condensation.                                                                                                        |  |  |
| <b>Film thickness</b>         | Recommended per coat 2~ 3m/m dry (Except for scraping).                                                                                                                                                                                                                                            |  |  |

|                    |              |          |           |           |
|--------------------|--------------|----------|-----------|-----------|
| <b>Drying time</b> |              | 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    |

|                        |                                                                                                               |  |  |
|------------------------|---------------------------------------------------------------------------------------------------------------|--|--|
| <b>Subsequent Coat</b> | SPORTHANE HIGH HARD LAYER TOPCOAT, SPORTHANE HIGH HARD LAYER TOPCOAT(EXTERIOR) or according to specification. |  |  |
|------------------------|---------------------------------------------------------------------------------------------------------------|--|--|

|                 |                    |          |           |           |
|-----------------|--------------------|----------|-----------|-----------|
| <b>Pot life</b> |                    | 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  |

| Storage and package |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shelf life          | PTA, PTB : 12 months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Storage             | * Store in cool, dry, well-ventilated place.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Packing Unit        | Base(PTA) : Curing Agent(PTB) = 18Kg : 18 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Remarks             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Note                | <ul style="list-style-type: none"> <li>* If the surface is not tacky from rain and snow, SPORTHANE PRIMER should be applied prior to application.</li> <li>* In this time, spreading rate of SPORTHANE PRIMER is 0.1Kg/m<sup>2</sup>.</li> <li>* 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).</li> <li>* Do not store at temperature above 30°C/86°F.</li> <li>* Use adequate ventilation.</li> <li>* Avoid contact with skin and eyes, and prolonged breathing of solvent vapors.</li> <li>* In case of contact, wash with organic solvent and followed by soap and water cleaning.</li> <li>* Respiratory protection is recommended when applying this product in confined spaces or stagnant air.</li> <li>* Clean equipment with SPORTHANE THINNER immediately after use.</li> </ul> |
| 1'st issue          | 2012-05-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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.

