

# Floorcoat

## Polyurethane Slevel



### DESCRIPTION

Two component, solventless, polymeric polyurethane, ambient curing pigmented finishcoat

### INTENDED USE

Speccoats Floorcoat Polyurethane Slevel is a two part self-levelling flooring composition that can be applied to suitably prepared concrete floor to form a glossy, flexible, hard wearing and functional surface

### Physical Properties

- Easy to apply flows and self-levels to a high gloss finish.
- Can take light traffic after 20 hours
- High chemical resistance, mechanical strength, durability and excellent adhesion.
- Easy to clean and maintain.
- Provides a pleasing decorative finish.
- Provides cost effective performance for many years.

### PACKAGING

- 20Lt kits

### LIMITATIONS

- Will gradually chalk if exposed to sunlight
- Not resistant to strong acids, alkalis and some solvents

### STANDARD COLOUR AVAILABILITY

Light Grey, Mid Grey, Concrete Grey, Dark Grey, Stone, Red, Mid Green and Dark Green – According to the Speccoats Flooring Colour Card



### PRODUCT INFORMATION

- **Number of Components:** 2
- **Mixing Volume Ratio:** 2:1
- **Volume Solids:** 100%
- **Density:** 1.25 kg/litre
- **Film Thickness:** Wet 1 – 2mm  
Dry 1 – 2mm
- **Spreading Rate:** 1m<sup>2</sup> /lt @ 1mm DFT
- **Temperature Resistance:** 85°C
- **Pot Life:** 30 minutes at 25°C
- **Hardness Shore D:** 60-70 DIN53505

### SURFACE PREPARATION

- Degrease surfaces with **Speccoats Hydrosolve** followed by a high pressure water rinse

### Preparation Of Floor Surfaces For Coating

- The coating must only be applied surfaces where the cement or concrete aggregate has been bared by grinding or blast cleaning. Further advice as to what type of equipment should be used for this task is available from **Speccoats Technical Service Department**
- Allow the surface to dry out prior to application. Moisture content measured using a Protimeter or Max Doser Instrument supplied by Speccoats must be less than 5%
- The entire surface must be thoroughly vacuumed prior to commencement of the coating. Good housekeeping is essential to achieve high quality floor coating. All tools must be kept clean (free of gelled material) for the duration of the work
- Speccoats Floorcoat SB Epoxy Primer should be used on porous concrete surfaces
- May be applied to metal, wooden and quarry tile surfaces when suitably primed

### Control Of Personnel During Coating

- Only properly equipped personnel should be allowed on the floor being coated (clean Overalls)
- All other personnel and operations must be 'off site' to prevent contamination onto the floor
- It is advisable to have material stocks in excess of the calculated requirements
- After completion of the application, the work area should be sealed off and the traffic diverted for the full curing period



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## APPLICATION

### Mixing – One Component

- Stir base using a suitable mechanical stirrer until homogeneous and then add activator components while stirring. Stir in activator for 5 minutes until homogeneous. Leave the mixture for 5 minutes to release the air bubbles from the dry aggregate prior to use

### Application – Equipment & Methods

<p>Trowel- Spiked Roller - Serrated Rake – Spiked Shoes -</p>	<ul style="list-style-type: none"> <li>Starting at the furthestmost point away from the final exit point, pour the mixture onto the floor to be coated. Spread the coating evenly over the surface using serrated trowels (3-4mm saw tooth type recommended)</li> <li>The trowel must be slowly dragged towards the operator. Two or more applicators can work in unison, the one working in the overflow of the material from the other. As soon as the correct thickness is attained the applicator must move on and not re-rake the surface that has started to flow out. Rake 'shudder' must be avoided as it causes grooves in the surface.</li> <li>As soon as the area has been completed, an applicator fitted with 'spiked shoes' must de-aerate the newly applied surface using a 'Nylon Spiked Roller' which must be kept clean and free from contaminants at all times. This operation must be carried out within a maximum time of 10 minutes after trowelling. An application rate of 1.2-1.5 litres per square meter is recommended</li> <li>Do not mix more material than can be poured on the floor within 15 minutes after mixing. Mixed material must not be allowed to stand and build up exothermic temperature. After de-aerating, the surface will level out, gel and cure. During this time, while the surface is still wet, the surface must be protected from dust contamination and water wetting.</li> <li>At 25°C the floor will take light traffic after 16 hours but is still vulnerable to damage for the next 24 hours</li> </ul>
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### Thinning

- Do Not Thin

### Cleaner

- All equipment should be cleaned immediately after use with **Speccoats MC Thinners**

## APPLICATION ENVIROMENT

Level	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	10°C*	10°C	0%
Maximum	40°C	45°C	85%

## DRYING TIME

Touch dry	Over-coating interval		Suitable for Light Traffic	Full Cure
	Minimum	Maximum		
4 hours at 25°C for 1.5mm at 65% RH	12 hours at 25°C at 65% RH	-	24 hours at 25°C at 65% RH	7 Days

## STORAGE AND HANDLING

- Storage -** Store at temperatures between 5°C and 40°C, away from direct sunlight, open flames or sparks
- Shelf Life -** Minimum 2 years when packed in original containers
- Flash Point -** 6°C

## HEALTH AND SAFETY

- Adequate ventilation should be provided during use
- Avoid contact with the skin by using gloves, barrier creams and face mask
- If the product comes into contact with the skin, wash immediately with lukewarm water and soap, if the eyes are affected flush with water of diluted boric acid solution and seek medical attention immediately
- Refer to Material Safety Data Sheet (MSDS)

## DISCLAIMER

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product. **ISSUE DATE 19/11/2010**