

# Floorcoat MC Polyurethane



## DESCRIPTION

Single component, solvented moisture cured flexible coating

## INTENDED USE

Based on a unique blend of aliphatic resins reinforced with colour stable and chemical resistant pigments to produce a coating which offers a tough, durable finish with excellent abrasion and UV resistance

Floorcoat MC Polyurethane is simple and easy to use and can be applied to any floor surface in combination with the appropriate primer and is ideal for the long term protection of balconies, car parks, driveways, industrial floors, warehouse areas, showrooms or any areas where a flexible floor finish is required

Food contact, meets USDA requirements for incidental food contact

## Physical Properties

<b>Abrasion Resistance ASTM D4060</b>	130mgs Weight Loss per 1000 Cycles
<b>Adhesion (Concrete) ASTM D4541</b>	35kg/cm <sup>2</sup> (500 psi) concrete failure
<b>Elongation ASTM D412</b>	200%
<b>Impact Resistance ASTM D2794</b>	13.5J (120 inch/lbs.)
<b>Tear Strength ASTM D624</b>	71.6 kg/cm (400 pli)
<b>Tensile Strength ASTM D412</b>	210 kg/cm <sup>2</sup> (3000 psi)

## PACKAGING

- 5Lt and 20Lt kits

## STANDARD COLOUR AVAILABILITY

Standard Colour is Grey, Other colours on request



## PRODUCT INFORMATION

- **Number of Components:** 1
- **Mixing Volume Ratio:** Supplied Ready for use
- **Volume Solids:** 60%
- **Film Thickness:** Wet - 170µm  
Dry - 100µm
- **Spreading Rate:** 6m<sup>2</sup> /lt @ 100µm DFT
- **V.O.C:** 276 gms/Lt

## SURFACE PREPARATION

- All surfaces should be clean, dry and free from contaminants

### Concrete Surfaces

- All surface laitance should be removed by mechanical means e.g. light abrasive blasting or grinding and all resultant dust or debris swept away

### Previously Coated Surfaces

- Any loose flaking material must be removed. Surfaces should be thoroughly cleaned and abraded then primed with Speccoats **Water Based GP Epoxy Primer**

### Porous Surfaces and Non Porous Surfaces

- Including concrete, timber and certain type of asphalt should be primed with **Water Based GP Epoxy Primer** in accordance with the product data sheet



# Floorcoat

## MC Polyurethane

### APPLICATION

#### Mixing – One Component

- Speccoats Floorcoat MC is a single component material and should only require stirring prior to use to incorporate any slight separation

#### Application – Equipment & Methods

Brushes	<ul style="list-style-type: none"> <li>• On external applications provided the prepared surface is dry and free from condensation or ice.</li> <li>• Speccoats Floorcoat MC Polyurethane can be applied at temperatures down to 0°C with no restriction on dew point or relative humidity. However, it should not be applied during rain, snow or when the precipitation is likely to occur before the coating has achieved a touch dry state</li> <li>• Speccoats Floorcoat MC Polyurethane can be applied by a brush or roller.</li> <li>• For brush application good quality stiff bristled brushes should be used. The Speccoats Floorcoat MC Polyurethane should be applied to give a uniform coating thickness.</li> <li>• For roller application, medium to long pile rollers should be used with the product being applied to give a uniform coating thickness</li> </ul>
Rollers	

#### Thinning

- Do Not Thin

#### Cleaner

- All equipment should be cleaned immediately after use with **Speccoats Universal Cleaner**

### APPLICATION ENVIROMENT

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

### DRYING TIME

Touch dry	Over-coating interval		Suitable for Light Traffic	Full Cure
	Minimum	Maximum		
2 hours at 20°C for 100µm at 65% RH	16 hours at 20°C at 65% RH	-	16 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

### 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**