

### M-FLOOR 103 – ANTI-STATIC EPOXY FLOOR COATING

#### M-FLOOR 103 - Anti-Static Epoxy Floor Coating

This Anti-static epoxy floor coating is formulated using the latest 100% solids, solvent-free epoxy resins. When mixed the product is simple to apply with a brush or roller.

Suitable for areas of use where the resistance of fewer than  $10^8$  ohms is required as a measure to control static electricity. Once cured, M-FLOOR 103 has a tough and easily cleaned high gloss finish that is resistant to a wide range of chemicals.

With the addition of an aggregate, the product is suitable for a variety of anti-slip options.

#### Typical Uses

- Explosion risk areas
- Hospitals/ operating theatres
- Chemical factories
- Electrical component manufacture

Please contact us to discuss your project before purchasing this material to confirm suitability.

#### Application Guide

##### Surface Preparation - Metal

- All oil and grease must be removed from the surface using an appropriate cleaner such as MEK or similar type solvent.
- All surfaces must be abrasive blasted to **ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2)** minimum blast profile of 75 microns using an angular.
- Once blast cleaned the surface must be degreased and cleaned using MEK or similar type solvent.
- All surfaces must be coated before gingering or oxidation.

A: Tower Court, YO30  
4XL



T: 01904 809 773



E:  
info@maxkote.co.uk



W:  
www.maxkote.co.uk

### Surface Preparation - Concrete

- Concrete shall be a minimum of 21 days old and/or the residual moisture content shall be below 6%.
- Degrease the repair area with MEK or similar solvent to remove any surface contamination, using angular grit, grit-blast to SO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2) and a minimum blast profile of 75 microns.
- Once blast cleaned, the surface must be dust free and cleaned again using MEK or similar solvent.

### Environmental Checks

- Do not apply to wet or uncured concrete surfaces.
- Do not apply at temperatures of 3C or less.

### Priming

- Mix and apply M-FLOOR 103 at a nominal rate of 0.2Kg/m<sup>2</sup>.
- Allow the primer to cure for a minimum of 2 - 4 hours @ 20C prior to the coating application.

### Mixing

- Pour the contents of the CURING AGENT tin into the BASE container and thoroughly mix, preferably by mechanical means until a uniform colour is achieved.

### Product Application

#### Brush & Roller

- Pour the mixed material into a paint kettle or paint tray (this will maximise the usable life).
- Apply at a nominal rate of 0.25 to 0.3kg/m<sup>2</sup>.
- After a minimum of 14 hours and before a maximum of 48 hours, apply a second coat at the same rate.
- Should a non-slip finish be required, then broadcast an appropriate aggregate such as Quartz, immediately after the first coat. Brush off excess aggregate the following day, prior to applying the second coat.



## Technical Information

Appearance	Colours:	#Grey/ Red (#only approximations to BS4800/RAL colours can be achieved)
Usable Life	20C: 10C:	40 minutes 70 minutes
Coverage		0.25 – 0.30 Kg/m2/coat
Cure Times at 20°C	Tack free time @20c Hard dry time @20c Full chemical resistance @20c	4 hours 6 hours 7 days
Adhesion strength	Concrete: Mild Steel: Surface Resistance:	3.9MPa (concrete failure) >12 MPa <108 Ohms
Chemical Resistance	Excellent:	dilute acids alkalis oil, petrol, diesel, vegetable oils
Storage Life	Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C.	Minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions

## Legal Notice

The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control.

It is the responsibility of the customer to determine the products suitability for use.

Maxkote accepts no liability arising out of the use of this information or the product described herein.

A: Tower Court, YO30  
4XL



T: 01904 809 773



E:  
info@maxkote.co.uk



W:  
www.maxkote.co.uk

A: Tower Court, YO30  
4XL



T: 01904 809 773



E:  
info@maxkote.co.uk



W:  
www.maxkote.co.uk