



# DRI-FLOOR MA 900

## High performance methyl methacrylate (MMA) concrete floor coating

One-part, solvent-based methyl methacrylate (MMA) protective coating that is resistant to weathering, alkalis and ageing. It is coloured and semi-opaque, and protects without adversely influencing the characteristic texture of concrete.

### FEATURES/BENEFITS

- Excellent weather resistant
- Fast drying with fast evaporating solvents
- Protects against atmospheric attacks
- Protects and enhances concrete & other cementitious materials
- Highly UV-resistant MMA
- Water vapour permeability not adversely affected

### APPLICATION AREAS

- Concrete
- Cementitious surfaces
- Masonry
- Steel structure
- Metal substrates

### PRODUCT DATA

<b>Appearances / Colours</b>	Grey (semi-opaque) [Custom colours available upon request]
<b>Packaging</b>	20 L pail
<b>Storage</b>	12 Months from date of production
<b>Storage Condition</b>	Store properly in original, unopened and undamaged sealed packaging in cool and dry conditions. Protect from direct sunlight and frost.

### TECHNICAL DATA

<b>Origin</b>	Acrylate resin in solvent	
<b>Specific Gravity</b>	1.2 – 1.4	
<b>Solid Content</b>	~ 43% (dependent on colour)	
<b>Flash point</b>	Above 35 °C	
<b>Carbon Dioxide Diffusion Resistance</b>	> 250 m equivalent thickness of air	(BS EN 1026-6:2002, Method B)
<b>Water Vapour Transmission</b>	> 13 h/m <sup>2</sup> /day	(BS EN ISO 7783-1:2000)
<b>Reduction in Chloride Ion Penetration</b>	> 90% at 28 days	(BS EN ISO 7783-1:2000)
<b>Freeze/Thaw Salt Scaling</b>	Unaffected by 50 exposure cycles (no scaling effect)	(ASTM C672-12)
<b>Reduction in Water Absorption</b>	> 80% at 28 days	(ASTM C642-06)

## APPLICATION CONDITIONS

<b>Consumption</b>	Clear coat: approx. 0.15 kg/m <sup>2</sup> per coat Top Coat: approx. 0.20 kg/m <sup>2</sup> per coat								
<b>Substrate Temperature</b>	5 – 35 °C At rising temperatures, do not apply to concrete substrates without a pore sealer.								
<b>Relative Humidity</b>	< 85%								
<b>Dew Point</b>	Temperature must be at least 3 °C above the dew point								
<b>Waiting Time / Overcoating</b>	Waiting time between coats:								
	<table border="1"> <thead> <tr> <th>Substrate Temperature</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>10°C</td> <td>8 hours</td> </tr> <tr> <td>20°C</td> <td>5 hours</td> </tr> <tr> <td>30°C</td> <td>3 hours</td> </tr> </tbody> </table>	Substrate Temperature	Time	10°C	8 hours	20°C	5 hours	30°C	3 hours
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Note: Refresher coats of Dri-Floor MA 900 can be applied without priming if the existing coating has been thoroughly cleaned.									
<b>Curing Treatment</b>	No special curing required. However, the coating must be protected from rain for at least 1 hour at 20°C (dust dry in 30 minutes at 20°C)								
<b>Applied Product Ready for Use</b>	Full cure at approx. 5 days at 20 °C								

## SUBSTRATE PREPARATION

### Exposed Concrete without Existing Coating:

The surface must be dry, sound and free from loose and friable particles, and any other contaminants. Suitable preparation methods are steam cleaning, high pressure water jetting or blast cleaning. New concrete must be at least 28 days old. If required, a levelling pore sealer should be applied. For cement-based products, allow a curing time of at least 4 days before coating.

## APPLICATION

For use on very dense substrates, the first coat of Dri-Floor MA 900 shall be thinned with up to 10% thinner.

Dri-Floor MA 900 can be applied by brush or short-piled lambskin roller. It can also be applied by airless spray:

## LIMITATIONS

- Do not apply when there is expected rain, relative humidity >85% and/or temperature below 5 °C and/or below dew point.
- On fair faced and precast concrete without a levelling pore sealer, bubbles may occur if the application is carried out during rising temperatures.
- The system is fully resistant for all normal atmospheric exposures and rainfall, etc.
- Splashed water containing de-icing salts or sea water may cause a loss of gloss and colour shade variation. However, the protective performances are not adversely affected.
- Existing water-based coating, even well adhering, must be removed completely prior to applying Dri-Floor MA 900

Thinning: Up to 7% max. Spray pressure 150 bars, nozzle bore 0.38 – 0.66 mm, spray angle 50 – 80°.

## TOOLS

Clean all tools and application equipment with thinner immediately after use. Hardened and/or cured material can only be mechanically removed.

## MIXING

Dri-Floor MA 900 is supplied ready to use. Stir thoroughly prior to application. In difficult painting conditions, such as very low or very high temperatures, up to 5% of thinner can be added.

## HEALTH & SAFETY

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For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## LEGAL NOTE

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The information, and, in particular, the recommendations relating to the application and end-use of these products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance to the manufacturer recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

