

## PRODUCT DESCRIPTION

**Mapecoat Antistatic** floor coating is a coating system which can be installed as thin coating, 2 mm total thickness. Available in standard colours, as shown on colour chart.

Build up the coating systems with **Mapecoat Primer W**, **Mapecoat Grafitt** and **Mapecoat SL-3 Antistatic**.

**Mapecoat SL-3 Antistatic** is a three component product. The coating is mainly for use on concrete floors.

## PROPERTIES

The flooring is adapted to fulfill special requirements of conductivity. For use in technical industry, warehouses and other electronic industry where electrostatic discharge may cause serious problems.

## WORKING INSTRUCTIONS

### Preparation

Cement substrates must have an overall cure time of at least 28 days, max. RH 95%.

The surface temperature must be above 12°C. Surfaces must be cleaned and concrete that is not sufficiently solid or is contaminated must be removed by abrasive blasting, grinding or milling. It is important that the substrate surface is level. Damages and flaws must be repaired.

### Priming

Prime surfaces with **Mapecoat Primer W**. The consumption varies with substrate porosity. It is very important that the primer forms an impermeable film. If the surface is uneven, or a thicker coating is required a coat of **Mapecoat SL** can be

applied before building up the coating.

### Copper band

When the primer is surface dry, a copper band is fixed in parallel strips on the floor with a separating distance suitable for the size of the room. Another method is to lay the copper band as a grid of ca. 3 x 3m. A copper band is lead out to the floor/wall boundary and fixed to an earth connection.

For large areas several earth connections may be necessary.

Background calculations and working instructions are available on request.

### Mapecoat Grafitt

Apply **Mapecoat Grafitt** within the open time of the epoxy primer using a squeegee and paint roller, consumption approx.

### Mapecoat SL-3 Antistatic

Apply **Mapecoat SL-3 Antistatic** within the open time of **Mapecoat Grafitt**, i.e. within 18 hours at +20°C, in approx. 2mm thickness (i.e. ca. 2.8 kg/m<sup>2</sup>) using a notched trowel, levelling rake and immediately roll lightly with a short pile paint roller. Use of a spiked roller is also recommended immediately after installation to remove air and give an even distribution of fibres.

### Mixing

The materials should be between +15- 20°C before mixing. Mix well together for at least 3 minutes using a slow drill with whisk attachment.

Heating which generates high concentrations of CO<sub>2</sub> during application may result in discoloured surfaces.

The coating system has been tested

in accordance with CECC 100.015 and IEC 61340-4-1.

Rescon Mapei AS is not responsible for the connection to earth of the copper band.

We deliver according to both standardised and specified requirements of conductivity.

## SAFETY INSTRUCTIONS

For health, safety and environmental information, see separate HSE data sheet at [www.resconmapei.com](http://www.resconmapei.com)

### WARNING

*Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all the above information must, in every case be taken as merely indicative and subject to confirmation after long-term practical applications: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application; in every case, the user alone, is fully responsible for any consequences deriving from the use of the product.*

*All deliveries from Rescon Mapei AS are made in accordance with the sale- and delivery conditions applicable at the time, and these conditions are taken to be accepted on placement of an order.*

### Produsent:

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TECHNICAL SPECIFICATIONS		
	<i>Mapecoat</i>	
	<i>SL-3 Antistatic</i>	<i>Grafitt</i>
<i>Min. curing temperature:</i>	+5°C	+5°C
<i>Recommended working temperature::</i>	+10° – 35°C	+10° – 35°C
<i>Pot life:</i>		
<i>at +20°C:</i>	<i>Approx. 40 min.</i>	<i>Approx. 20 min.</i>
<i>at +10°C:</i>	<i>Approx. 80 min.</i>	
<i>Curing times at 20°C:</i>		
- <i>non-tacky:</i>	<i>5 hours</i>	
- <i>set to pedestrian traffic:</i>	<i>24 hours</i>	
- <i>fully hardened:</i>	<i>6 days</i>	
<i>Shore D at 20°C:</i>	<i>Approx. 80</i>	
<i>Specific weight g/cm³:</i>	<i>Approx. 1.6</i>	<i>Approx. 1.4</i>
<i>Mixing ratio (by weight):</i>		
- <i>Comp. A+B:</i>		<i>3,1 : 1</i>
- <i>Comp. A+B+C:</i>	<i>2.5 : 1 : 3.5</i>	
<i>Dry solids content:</i>	<i>100%</i>	<i>100%</i>
<i>Conductivity::</i>	<i>Approx. 1MΩ</i>	<i>Approx. 1x10<sup>6</sup>Ω</i>
<i>Packaging:</i>		
<i>Sets of:</i>	<i>19.7 kg</i>	<i>5.0 kg</i>
<i>Storage:</i>	<i>Stored frost free in unopened packaging, product properties remain unchanged throughout the first 12 months.</i>	