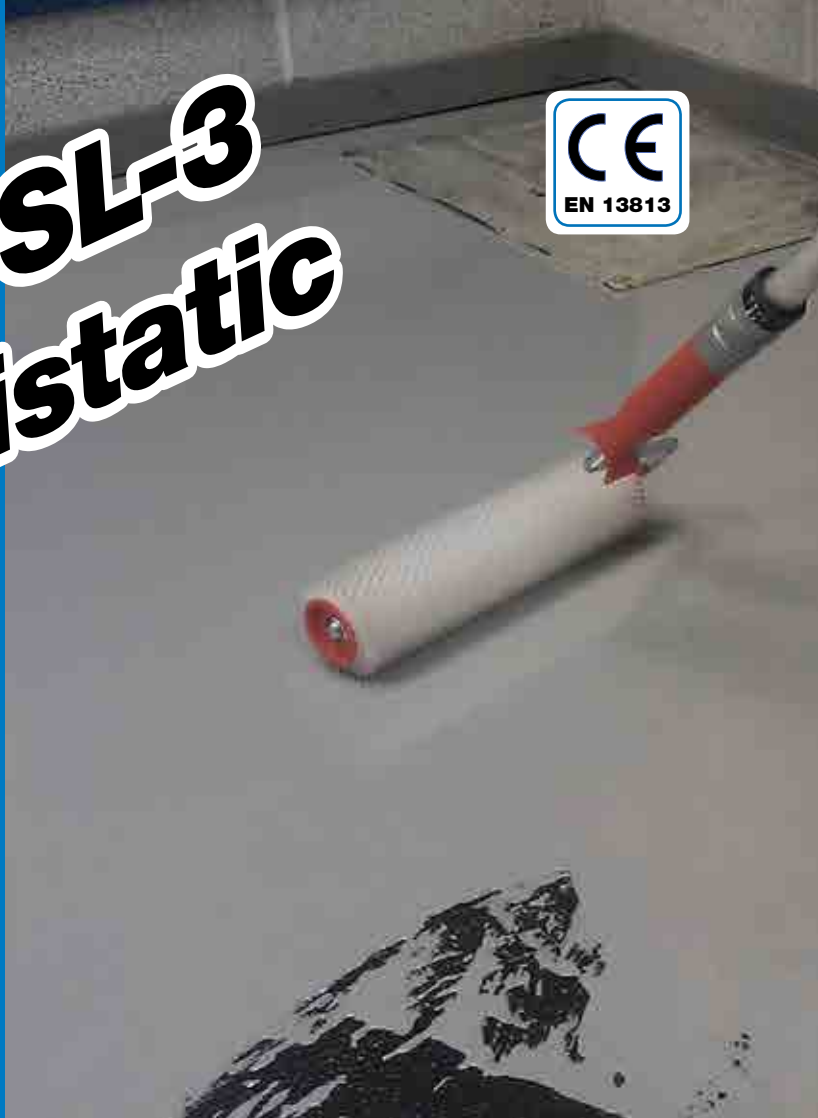




Mapecoat SL-3 Antistatic

Self-leveling antistatic epoxy coating



WHERE TO USE

Mapecoat SL-3 Antistatic can be used as flooring in all types of industry, workshops and warehouses.

Mapecoat SL-3 Antistatic is normally applied on concrete and other cement- based substrates.

TECHNICAL CHARACTERISTICS

Mapecoat SL-3 Antistatic is a three component selfleveling, solvent free epoxy.

Mapecoat SL-3 Antistatic contains fillers and gives highly abrasion and chemical resistant, watertight, seamless coatings.

Mapecoat SL-3 Antistatic is delivered in Grey 31.

Mapecoat SL-3 Antistatic complies with EN 13813.

APPLICATION PROCEDURE

Preparation of the substrate:

The concrete must be sound, clean and dust-free with a smooth permanent surface. Normal cleaning methods such as milling, grinding or shot blasting can be used. The substrate's surface temperature should be at least +12 °C and at least 3 °C above the applicable dew point during product application.

Preparation of the product:

Components A and B should have a temperature of +15 °C or more when mixed together. Comp. B is

poured into comp. A and mixed with a drill whisk at a slow speed for approximately 3 minutes until the product is completely homogenous. Then add comp. C to the mix, and stir until the product is completely homogenous.

The product must not be thinned!

Application of the product :

Used as single layer epoxy antistatic coating 2 mm

a. Primers

The surface should always be cleaned and prepared with **Mapeprimer M** before applying **Mapecoat Graffiti**. The primer is best applied using smooth trowel or rake – after application all pores or air holes in the surface of the concrete should be filled and the surface appears to be sealed without any apparent dry spots.

Please take notice on the recoatability (48 hours at 20 °C). If this time is exceeded the primer should be grinded and/or a new layer of primer should be applied.

b. Conductive primer

The next day, or when is it possible to walk on the primer without leaving marks, **Kobbertape 1181** should be installed in a grid of maximum 5 x 5 m and at least one groundpoint in each room. The tape must be pressed firmly to the surface so this has 100% contact. It is advised to contact an authorized electrical installer in order to determine where and how many groundpoints that is needed.

Mapecoat SL-3 Antistatic

Mapecoat SL-3 Antistatic: self-leveling antistatic epoxy coating. The product complies with specification in EN 13813.

TECHNICAL DATA (typical values)

PRODUCT DETAILS		Component A	Component B	Component C
Color:		light Grey	straw colored	grey
Appearance:		dense liquid	liquid	powder
Density (g/cm³):		1.20	1.04	-
Brookfield viscosity at + 23 C (mPa•s):		approx. 10 000	approx. 600	-
APPLICATION DATA				
Mixing ratio:		light grey		
Color of mix:		72:30:95 component A: component B: component C		
Consistency of the mix:		dense liquid		
Density of the mix (kg/m³):		approx. 1 600		
Brookfield viscosity of the mix (mPa•s):		approx. 7 000		
Application temperature range:		+12°C - 30°C		
Potlife (EN 9514):		40 minutes		
FINAL PROPERTIES (7 days at + 23° and 50 % R.H)				
Step-on time:		approx. 24 timer		
Final setting time:		7 days		
Conductivity (100V):		< 10 ⁸ Ω		
Shore D (ISO 868:2003):		ca. 75		
Performance characteristics for product or system	Test methods	Requirements according to EN 13813 for synthetic resin screeds	Product or system performance	
Wear resistance:	EN 13892-4	< AR1	AR0.5*	
Bond strength:	EN 13892-8:2004	>1.5 N/mm²	> 4.3 N/mm²	
Impact resistance:	EN 6272-1	> IR4	> IR4	
Reaction to fire:	EN 13501-1	deklared value	E _{fl}	

* correlation to Taber (EN ISO 5470-1)

When the tape is installed one coat of conductive primer **Mapecoat Grafitt** should be applied. The primer is best applied with a roller, and the surface should appear to be sealed after application. Consumption should be 0.3-0.4 kg/m².

It is advised to make measurements of the resistance (surface-ground) after **Mapecoat Grafitt** has cured, and before further installations, to ensure correct installation of the conductive primer.

c. Coatings

Mapecoat SL-3 Antistatic self-leveling coating is applied within 24 hours using a leveling rake or a v-toothed spatula in the desired thickness of at least 1.5 mm. Always use a spike roller to remove any air bubbles, and to orientate the fibers in the correct direction.

Used as a non-slip resistant antistatic epoxy coating approx. 2.5 mm:

a. Primers

The surface should always be cleaned and prepared with **Mapeprimer M** before

applying **Mapecoat Grafitt**. The primer is best applied using smooth trowel or rake – after application all pores or air holes in the surface of the concrete should be filled and the surface appears to be sealed without any apparent dry spots.

Please take notice on the recoatability (48 hours at 20 °C). If this time is exceeded the primer should be grinded and/or a new layer of primer should be applied.

b. Conductive primer

The next day, or when is it possible to walk on the primer without leaving marks, **Kobbertape 1181** should be installed in a grid of maximum 5 x 5 m and at least one groundpoint in each room. The tape must be pressed firmly to the surface so this has 100% contact.

It is advised to contact an authorized electrical installer in order to determine where and how many groundpoints that is needed. When the tape is installed one coat of conductive primer **Mapecoat Grafitt** should

be applied. The primer is best applied with a roller, and the surface should appear to be sealed after application. Consumption should be 0.3-0.4 kg/m².

It is advised to make measurements of the resistance (surface-ground) after **Mapecoat Grafitt** has cured, and before further installations, to ensure correct installation of the conductive primer

c. Multilayer coating

A self-leveling coating of **Mapecoat Grafitt** is applied using a leveling rake or a v-toothed spatula in the desired thickness of at least 1 mm, and covered to complete saturation using conductive filler **Mapefloor Filler AS**.

d. Topcoat

Aggregates that did not adhere to the surface must be removed from the dry and cured wear coat, and a top layer of **Mapefloor SL** is applied using a rubber squeegee at approx. 1.5 kg/m².

PLEASE NOTE!

If the product is applied in areas with a high concentration of CO₂, high moisture and/or temperatures less than 3 degrees above dew point, this might lead to a sticky and discoloured surface. Before any further treatment, this must be removed and the surface must be recoated.

CLEANING

Tools and equipment must be washed immediately after use with **Spesialtynner**, ethanol or other cleaning agent suited for epoxy. Once hardened the product may only be removed mechanically.

CONSUMPTION

As a 1,5 mm smooth coating: 2,8 kg/m².

PACKAGING

19.7 kg set:
Component A = 7.2 kg,
Component B = 3.0 kg
Component C = 9.5 kg

STORAGE

Properties for use are not changed for a period of 18 months if stored between + 5 and + 30 °C in unopened in original packaging.

SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website www.mapei.no.

PRODUCT FOR PROFESSIONAL USE.

NOTE

Although the technical details and recommendations contained in this product data sheet 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 application: 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.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.no

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