

### PRODUCT DESCRIPTION

**Mapecoat C** is based on a low viscosity epoxy resin cured with a formulated polyamine.

### AREA OF USE

**Mapecoat C** is a solvent free coating. For use as a topcoat on glass fibre laminates which are built up with **Mapecoat S**.

Especially suitable for the repair of concrete or steel fuel tanks.

**Mapecoat C** can also be used as a topcoat for basins and manholes in sewage installations.

Generally suitable for corrosion protection of concrete and steel against aggressive chemicals.

The product is not colour stable.

### WORKING INSTRUCTIONS

#### **Requirements to substrate Steel**

The surface should be sand blasted to a purity of SA 2.5 and the relative humidity controlled to 45% or lower to prevent oxidation. Surface irregularities such as welded joints, splices and lugs, should be ground down or filled in to give a smooth profile.

Correspondingly corners and angles should be smoothed with an epoxy mortar, **Maepoxy MS** or **Cem-S**.

To ensure bonding between the epoxy mortar and **Mapecoat C** the mortar should be sprinkled with clean, dust free sand before hardening. If sand is not used, the mortar should be abraded with sandpaper or emery paper to ensure bonding.

The surface should be vacuum cleaned before coating.

#### **Concrete**

The concrete surface should be dry, clean and structurally sound. Usual methods of surface preparation include sand blasting or grinding. The maximum recommended humidity is 90% RH of

concrete. For complete sealing all pores must be filled. Use **Maepoxy MS** or **Cem-S**.

#### **Mixing**

When using single component spraying equipment it is beneficial to heat the product to +40°C, using a thermostatically controlled heater, prior to mixing and application. Mix the product using a slow drill with whisk attachment for approx. 3 minutes or until a homogenous product is obtained. If applying with roller or brush at temperatures between +15 – 20°C, mix the product for 5 – 6 minutes or until homogeneous.

A poorly mixed product will show as streaks in the coating.

#### **Application**

The substrate temperature should be between +15 – 25°C, and never below +5°C. A suitable single component high-pressure sprayer is the Graco King, ratio 1:45, nozzle no. 35, 60° dispersion.

**Mapecoat C** can be sprayed up to a thickness of 1000µ per layer.

For minor tasks **Mapecoat C** can be applied with a brush or roller.

When applying multiple coats different colours should be used for each coat (e.g. pink or grey). The interval between coats should never be longer than 20 hours. For intervals longer than 20 hours light sand blasting or milling with sandpaper, should be used to ensure bonding between coats. Bonding between coats can also be ensured by spraying with dry, clean sand e.g. 0.5 – 1.2 mm before the epoxy hardens.

#### **CLEANING**

Clean tools and spraying equipment immediately after use with **Tynner**.

#### **SAFETY INSTRUCTIONS**

For health, safety and environmental information, see separate HSE datasheet 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.*

**N.B! FOR PROFESSIONALS**

#### **Produsent:**

Rescon Mapei AS  
Vallsetvegen 6, 2120 Sagstua, Norway  
Tlf: +47 62 97 20 00 Fax: +47 62 97 20 99  
post@resconmapei.no  
www.resconmapei.com

**TECHNICAL DATA**

Specific weight:	1.4
Colour:	Grey (pink) - green
Mixing pointer:	Comp. A white, comp. B black (red) and after correct mixing even grey (pink) colour. <b>Mapecoat C</b> is not pigmented to give an even surface coverage so variations in colour from one container to the next may be experienced. <b>Mapecoat C</b> – green gives even colour coverage
Pot life:	At +20°C 2 - 3 hours. At appr. +40°C the pot life is reduced to 15 - 30 minutes.
Curing time:	At +20°C: 5 - 7 days. At lower temperatures curing times are longer. +5°C is the absolute minimum curing temperature and curing takes at least 3 weeks.
Consumption:	0.4 - 2.0 kg pr. m <sup>2</sup> . Normal consumption is approx. 1.2 kg/m <sup>2</sup> .
Packaging:	Grey (pink) is supplied in sets of 23 kg. Green is supplied in 13 kg sets.
Storage:	When stored frost free in unopened packaging, the product has a minimum shelf life of 1 year.