

## Epoxy impregnation

### PRODUCT DESCRIPTION

**Mapecoat Silovern** is a solvent free, two component, epoxy impregnation / coating with a long pot life.

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

### AREA OF USE

Used as a protective coating for silos and fruit press basins made of concrete.

The product also provides excellent protection in manure cellars, warehouses, passageways in barns, bunk feeders, washrooms, cesspits, and on concrete in general to protect surfaces and facilitate cleaning.

**Mapecoat Silovern** is not colour stable and will, in time, become a dark, reddish brown colour.

**Mapecoat Silovern** can also be supplied in pale yellow, but this too will darken with time.

For **Mapecoat Silovern** pale yellow, component A is white and component B brownish in colour.

**Mapecoat Silovern** must not be used in direct contact with foodstuffs.

### WORKING INSTRUCTIONS

#### Preparation

Rescon Mapei recommend that the lowest 3 metres of the silo should be treated with a pore filler. Only a pore filled substrate will result in a continual protective layer as the final product. Treatment of silos consists of only a thin coat of **Mapecoat Silovern** which cannot cover over or fill pores.

**Maepoxy Cem-S** can be used to fill pores on new silos, **Maepoxy MS** should be used on previously treated silos.

Best results are obtained on firm, dry, pore free concrete surfaces.

Methods of surface preparation include sand blasting. Surfaces should then be dried and filled.

Fill damaged areas and larger pores with **Maepoxy MS** or **Maepoxy Cem-S**, before installing **Mapecoat Silovern**.

#### Application

**Mapecoat Silovern** should be between +15 – +20°C before mixing. Mix comp. A and comp. B well together for at least 3 minutes using a slow drill with a suitable whisk attachment.

The temperature of the concrete should be at least +10°C, and never below +5°C.

Apply **Mapecoat Silovern** using a brush or roller.

Two coats are always recommended on the bottom of fruit press basins and on the lower rings in silos.

The time interval between coats should not be longer than 20 hours.

For intervals longer than 20 hours the surface should be sprinkled with dry quartz sand, 0.4 – 0.8 mm.

#### Cleaning

Clean tools immediately after use with **Tynner**.

### 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.*

### TECHNICAL SPECIFICATIONS

Specific weight:	1.1 g/cm <sup>3</sup>		
Mixing ratio:	Comp. A is clear and Comp. B transparent red. <b>Mapecoat Silovern</b> : Comp. A:Comp B 1:1 by weight <b>Mapecoat Silovern</b> Pale yellow: Comp. A:Comp. B 1.5:1 by weight		
Pot life:	Approx. 1 hour at + 20°C. Longer at lower temperatures.		
Consumption:	0.2 - 0.3 kg/m <sup>2</sup> per layer.		
Viscosity at +20°C:	Transparent:	Approx. 400 cP.	
	Coloured:	Approx. 800 cP.	
Packaging:	<b>Mapecoat Silovern</b> is supplied in 10 kg sets.		
Storage:	Stored frost free in unopened original packaging the product properties remain unchanged throughout the first 18 months.		
Curing:	Curing temp.	Dust-dry	Fully cured
	+ 20°C	8 hours	3 days
	+ 10°C	16 hours	6 days

#### Produsent:

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