

# Mapepoxy Cem-S

## Cementitious epoxy mortar

### PRODUCT DESCRIPTION

**Mapepoxy Cem-S** is a cementitious epoxy mortar for use on concrete.

**Mapepoxy Cem-S** contains a small amount of water.

### AREA OF USE

For complete coverage of porous concrete surfaces, balcony floors, silage silos, piers, and purification plants. It can also be used as an adhesive mortar and/or grout for ceramic tiles.

**Mapepoxy Cem-S** consists of a water based epoxy (comp. A and comp. B) and a cementitious filler (comp. C). The product is supplied as three components.

### WORKING INSTRUCTIONS

#### Mixing

Pour comp. A into the container with comp. B and mix well using a slow drill with whisk attachment for 3–4 minutes. Mixing of the whole supplied set is recommended because comp. B may separate. If using partial quantities the individual components must be stirred well before use. Lastly add comp. C (filler) gradually and mix until homogeneous.

#### Application

The substrate temperature must be a minimum of 10°C during application. Spread and smooth the material onto the prepared surface using basic mason's tools, steel trowel, steel float. Do not add extra water when finishing. If an extra coat of primer or sealant is required a pure binder can be used. On porous concrete working the material with a lightly dampened brush or felt trowel is beneficial in assisting the penetration of **Mapepoxy Cem-S** into the pores.

**NB!** Water should not be added to the brush or trowel whilst working.

#### Cleaning

Clean tools and equipment immediately with water. After hardening cleaning is difficult.

### SAFETY INSTRUCTIONS

For health, safety and environmental information, see separate safety datasheet at [www.mapei.com](http://www.mapei.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 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 DATA				
<b>Product specifications:</b>				
<i>Specific weight:</i>		Approx. 1.9 g/cm <sup>3</sup>		
<i>Bond strength:</i>		1 – 3 MPa depending on conditions and the strength of the underlying concrete, but above all the surface preparation before treatment.		
<i>Packaging:</i>	Set of 10.65 kg	Comp. A 0.65 kg (1.0 l can) Comp. B 2.0 kg (3.0 l container) Comp. C 8.0 kg (15.0 l container)		
	Set of 33.25 kg:	Comp. A 2.0 kg (3.0 l container) Comp. B 6.25 kg (20.0 l container) Comp. C 25.0 kg (bag)		
<i>Guide to strength development at 7.1 cm<sup>3</sup> samples:</i>				
<i>Curing temp.</i>	24 hours	2 days	7 days	28 days
20°C in air	4.4 MPa	17.4 MPa	24.0 MPa	26.2 MPa
5°C in air		2.6 MPa	18.1 MPa	29.3 MPa
5°C in water		3.0 MPa	20.5 MPa	30.9 MPa
<i>Storage:</i>		Stored frost free in unopened packaging, product properties remain unchanged throughout the first 24 months.		
<b>Application data:</b>				
<i>Mixing ratio:</i>		Comp. A : Comp. B : comp. C 1,9 : 6,25 : 25 by weight		
<i>Pot life:</i>	at 23°C: at 10°C: at 5°C:	Approx. 30 minutes Approx. 45 minutes Approx. 60 minutes		

#### Manufacturer:

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