

KÖSTER CMC

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Solvent free epoxy mortar for heavy duty corrosion protection

Features

KÖSTER CMC is a solvent free epoxy resin mortar with very good adhesion to all mineral substrates and to stainless steel. The material can resist high mechanical and chemical stresses.

Technical data

Consistency	trowel applicable
Mixing ratio (by weight)	26 : 1 (A : B)
Pot life (1 kg of mixed material) at 12 °C / 23 °C	70 / 50 minutes
Density	1.7 g / cm ³
The final mechanical and chemical strength is reached after 7 days (at 23 °C and 65 % rel. humidity).	
Colour	dark grey
Application temperature	min. + 5 °C
	min. + 3 °C above dew point
Compressive strength	approx. 40 N / mm ²
Adhesive tensile strength	to concrete >> 1.5 N / mm ²
	to steel > 1.0 N / mm ²

Field of application

KÖSTER CMC is a protective coating for mineral substrates and for stainless steel. It is suited as a filling and levelling mortar for concrete.

Substrate preparation

The substrate must be dry, free of loose particles as well as free of oil and grease. Soiled and power troweled mineral substrates as well as substrates which are not sound and solid must be prepared by milling the surface down to a coatable layer and by subsequent shot- or sandblasting. Steel substrates must be sandblasted. Clean off dust etc. completely with a suited drying method. Surfaces of steel substrates can be prepared further for the application by coating them with KÖSTER CMC-Primer in order to further improve the adhesive tensile strength.

Mixing

Mix the components intensively until a homogenous consistency is reached. Use a slow rotating electrical mixer (below 400 rpm). In order to avoid mixing errors, repot the material after mixing it and

then mix it again. Make sure to mix in material which was sticking to the packaging.

Application

KÖSTER CMC is always applied in two layers. The material can be applied e. g. with a steel plastering trowel. The waiting time after application of the first layer before application of the second layer should not exceed 2 hours. Per layer, the consumption should be at least 2 kg/m². At the time of application, the temperature must be at least + 3 °C above the dew point.

Consumption

Approx. 2 kg / m² per layer
Thickness per layer approx. 2 mm

Cleaning of tools

Clean tools immediately after use with KÖSTER KB-Pox[®] Cleaner.

Packaging

5.3 kg package consisting of: Component A: 5.1 kg bucket
Component B: 0.2 kg can

Storage

Store the material frost free at temperatures between +5 °C and +25 °C. In originally sealed packages, the material can be stored for approx. 12 month.

Technical guidelines cited

KÖSTER CMC Primer	Art. - No.	6.085
KÖSTER KB-Pox [®] Cleaner	Art. - No.	9.08

Safety precautions

Wear protective gloves and goggles when processing the material.

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.