KÖSTER
Waterproofing Systems

KÖSTER CMC

Technical Data Sheet CT 280 005

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Solvent free epoxy coating for heavy duty corrosion protection

CE	KÖSTER BAUCHEMIE AG Dieselstraße 1-10, 26607 Aurich **13** **CT 280** **EN 13813:2002** **KÖSTER CMC** **Synthetic resin for internal uses**
Reaction to fire	Efl a)
Release of corrosive substances	SR
Water permeability	NPD
Wear resistance	≤ AR 0.5
Bond strength	≥ B 2.0
Impact resistance	Class 2
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD
Dangerous substances	NPD

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

Technical Data

Consistency	trowelable
Mixing ratio	5 : 1 (A : B)
Pot life (1 kg of mixed material) at + 12 °C / + 23 °C	60 / 30 min.
Density	1.7 g / cm³
Color	dark grey
Application temperature	min. 5 °C and min. 3 °C above dew point
Layer thickness	between 2 and 4 mm
Ideal material temperature for application	15 °C
Chemical resistance	pH 1 - pH 13 (depending on composition of chemical substances)
Compressive strength	approx. 40 N / mm²
Adhesive tensile strength to concrete	1.5 N / mm²
Adhesive tensile strength to steel (Sa 2 1/2)	> 1.0 N / mm²

Full compressive strength and chemical resistance is achieved after 7 days (at +23 °C and 65% rel. air humidity).

Fields 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
The substrate must be dry, free of loose particles, and 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 suitable dry method.

Application
Mix the components intensively for at least 2 min. 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 sticking to the sides of the mixing container.

KÖSTER CMC is always applied in two layers. The material can be applied with a steel plastering trowel. The waiting time after the application of the first layer, and the application of the second layer should not exceed 2 hours. The consumption should be at least 1.7 - 2.5 kg / m² per layer for a layer thickness of 1 - 1.5 mm. During application, the temperature must be at least + 3 °C above the dew point.

Consumption
1.7 kg / m² / 1 mm per layer thickness

Cleaning
Clean tools immediately after use with KÖSTER Universal Cleaner.

Packaging

CT 280 005	6 kg combipackage; A component 5 kg; B component 1 kg

Storage
Store the material frost free at temperatures between +5 °C and + 25 °C. In originally sealed containers, the material can be stored for a minimum of 12 months.

Safety
Wear protective gloves and goggles when processing the material. Observe all governmental, state, and local safety regulations when processing the material.

Related products

KÖSTER Universal Cleaner	Prod. code X 910 010

CT - Coatings

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.

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