KÖSTER
Waterproofing Systems

KÖSTER C-Coat

Technical Data Sheet C 510 025

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Filling and levelling mortar as well as shrinkage or blow-hole filler for concrete surfaces

Features
KÖSTER C-Coat is a polymer modified levelling mortar for smoothing standard and visible concrete surfaces. It cures tension free and is waterproof.

Technical Data

Density of the fresh mortar	1.7 kg / l
Compressive strength (7 days	> 11 N / mm²
Compressive strength (28 days)	> 20 N / mm²
Flexural tensile strength (7 days)	> 3 N / mm²
Flexural tensile strength (28 days)	> 6 N / mm²
Minimum processing temperature	+ 5 °C
Modulus of Elasticity	>6500
Largest aggregate size	< 0.2 mm
Pot life	approx. 45 min

Fields of Application
KÖSTER C-Coat is suited for filling shrinkage or blow holes on pre-cast concrete parts, for repairing voids in visible concrete surfaces, walls and floors made of concrete as well as bonding and repair-filler for concrete, screed and plaster. It is used to reprofile concrete and masonry surfaces creating a uniform appearance.

Substrate
The substrate has to solid and sound, free of dust as well as loose particles, free of oil and grease. Pre-wet the substrate. Strongly absorbent or salt burdened substrates have to be primed with KÖSTER Polysil TG 500. Apply the KÖSTER C-Coat between 30 and 90 minutes after priming.

Application
One 25 kg bag of KÖSTER C-Coat is mixed with 7 l of clean potable water. First, put the water in a clean mixing vessel. Then add the powder in portions while continually mixing with a slow rotating (approx. 400 rpm) mechanical mixer until a smooth lump free consistency is reached.Do not prepare more material than can be applied within approx. 30 minutes. The maximum processing time is approx. 45 minutes.
KÖSTER C-Coat is applied with a trowel in one step. As soon as the material starts to set, the surface can be smoothed with a felt board or with a piece of polystyrene foam.

Layer thickness: 0 to 5 mm.

Consumption
Approx. 1.7 kg/m² per mm layer thickness

Cleaning
Clean tools immediately after use with water.

Packaging

C 510 025	25 kg bag

Storage
Store the material in a dry environment. In originally sealed packages, 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 Polysil TG 500	Prod. code M 111

C - Concrete repair and protection

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.

KÖSTER BAUCHEMIE AG • Dieselstraße 1-10 • D-26607 Aurich • Tel. 04941/9709-0 • Fax -40 • info@koester.eu • www.koester.eu