

KÖSTER ORS-C

Technical guideline / Article number

6.038

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Solvent free, two component special epoxy coating for oil-decontaminated substrates

Features

KÖSTER ORS C is a two-component solvent-free, epoxy resin based highly penetrating sealer.

KÖSTER ORS-C was specifically developed for slightly moist mineral substrates which have been cleaned of oil with oil-emulsifying cleaning compounds, specifically KÖSTER ORS-D.

KÖSTER ORS-C can be used both indoor and outdoor, on floor and wall surfaces.

Technical Data

Mixing ratio	2:1 (Part A : Part B by weight)	
Viscosity	approx. 2500 mPa·s	
Density	approx. 1.1 g / cm ³	
Working time	20 min. at + 23 °C	
Substrate temperature	min. + 8 °C to + 30 °C	
Rel. Humidity	max 90 %	
Material temperature	+ 15 °C to + 25 °C	
Next layer can be applied:	at + 8 °C	after min. 24 h
	at + 23 °C	after min. 5 h

Substrate preparation

Before installation prepare the substrate as described in the Technical Guideline for KÖSTER ORS-D.

Application

If necessary the A and B components are heated to at least + 15 °C. Mix intensively for 3 minutes until a homogeneous consistency is achieved. Use an electrical mixer below 300 rpm. To avoid mixing errors, re-pot the material after mixing for two minutes and mix for a further minute. After the end of the mixing process, the material must be completely and immediately emptied and spread onto the floor.

Floor areas:

KÖSTER ORS C is distributed evenly with a roller or squeegee. After a minimum of 5 hours and not later than 24 hours after application of the first layer the second layer is installed, (consumption per layer approx. 0.5 kg / m²).

In areas where an increased slip resistance class is required, kiln dried quartz sand (sand 0.3 – 1.6 mm) is broadcast into the fresh second layer of KÖSTER ORS-C, (consumption approx. 1.5 - 2.0 kg / m²).

Care must be taken that the broadcast covers the area completely and evenly.

Further epoxy layers such as KÖSTER LF-VL and KÖSTER EM-VS can be applied to the broadcast area at the earliest after 5 hours. Optionally, the areas broadcast with kiln dried quartz sand can be sealed against soiling with KÖSTER TS Transparent.

Where substrate leveling is required, after sealing with KÖSTER ORS-C and before the application of KÖSTER SL Premium KÖSTER VAP I 06 primer is required.

Wall surfaces:

For wall surfaces we recommend the use of 1 kg packages. KÖSTER ORS C is uniformly distributed with a fixed flat brush and worked into the substrate intensively. After a minimum of 5 hours and not later than 24 hours after application of the first layer the second layer is installed, (consumption per layer approx. 0.5 kg / m²).

KÖSTER ORS-C surfaces may be plastered at the earliest after 12 hours. We recommend the use of KÖSTER Restoration Plasters. At least 24 hours before plastering a plaster key made from the respective KÖSTER Restoration Plaster is applied. For more information see the respective Technical Guidelines for KÖSTER Restoration Plasters.

Liquid polymers react to temperature fluctuations by changing viscosity or hardening characteristics. Following the parameters and procedures set forth in the Technical Guidelines is therefore mandatory. Coating work is always carried out in constant or falling temperatures. Lower temperatures cause a slower

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reaction, high temperatures and larger amounts of material cause accelerated curing.

During the coating and curing process a temperature difference of +3 ° C to the dew point must be maintained. Coatings must be protected from moisture in all forms until they have fully cured.

Packaging

25.37 kg combi-package

10.15 kg combi-package

1.0 kg combi-package

Storage

Store the material between + 15 °C and + 25 °C. In originally sealed containers it can be stored for one year.

Safety precautions

Wear solvent resistant protective gloves and goggles.

Consumption

0.5 kg / m² per layer. Total consumption approx. 1 kg / m².

Technical Guidelines cited:

KÖSTER VAP I 06 Art. Nr. . 6.031

KÖSTER LF-VL Art. Nr. . 6.071

KÖSTER Universal Cleaner Art. Nr. 9.01

KÖSTER ORS-D Art. Nr. 9.12

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