



## KÖSTER CT 227 1C Silane

Technical Data Sheet CT 227

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Test certificate (No. 12 9939-S / 20) MPI Adendorf, individual test of the slip-resistant property according to DIN 51130, 02/2014 and DGVC rule 108-003; with KÖSTER CT 127 1C Silane Primer, R 12 slip resistance

### One component floor covering for light to medium exposure

#### Features

Universally applicable, environmentally friendly, elastic sealant with very good covering capacity. Very good adhesion to all mineral based surfaces. Resistant to medium mechanical loads. UV and weather resistant.

#### Technical Data

Viscosity		thixotropic
Density (+23 °C)		approx. 1.6 g / cm <sup>3</sup>
Trafficable after (+12 °C /+23 °C / +30 °C)		approx. 48h / 24h / 16h
Final cure (+12 °C /+23 °C /+30 °C)		approx. 10 / 7 / 5 Tage
Elongation at break (7 days)		approx. 30%
Tear strength (7 days)		approx. 2 N / mm <sup>2</sup>
Color (standard)		grey
Substrate temperature at application	min. + 12 °C, max. + 30 °C	
Temp. difference to dew point		min. + 3 °C
Material temperature for application		+ 15 °C to + 25 °C

#### Fields of Application

Sealing and painting for floor and wall surfaces made of concrete, cement screed, and plaster. For indoor and outdoor use on areas such as sales rooms, garages, etc.

#### Substrate

The substrates to be sealed must be solid, free of dust, oil and grease, and other adhesion inhibiting compounds. Sanding, dusty, or soiled surfaces are to be removed by milling and / or shot blasting down to a coatable, clean substrate. The minimum bond strength of the substrate must be 1.5 N / mm<sup>2</sup> and may have a maximum residual moisture content of 4 M%. As primer, KÖSTER CT 127 is applied in a single layer rolled in two directions. KÖSTER CT 127 1C Silane Primer is a one component silane primer. Once the primer has hardened, KÖSTER CT 227 1C Silane is installed.

#### Application

The material is premixed with a mechanical mixing device ( $\leq 300$  r/pm). The material is processed with a brush or a short-napped roller. As a rule, a single cross rolled layer is sufficient. In the case of broadcasting with KÖSTER Color Chips, the chips are covered with a layer of KÖSTER 127 1C Silane Primer.

For a structure with R12 slip resistance, approx. 550 g / m<sup>2</sup> of KÖSTER CT 127 1C Silane Primer are broadcasted over the entire surface with 4 kg of quartz sand from the sieve line 0.7 - 1.2 mm and then sealed with approx. 600 g / m<sup>2</sup> of KÖSTER CT 227 1C Silane.

#### Consumption

400 – 500 g/m<sup>2</sup>

#### Cleaning

Clean tools immediately after use with KÖSTER Universal Cleaner.

#### Packaging

CT 227 015 15 kg metal pail

#### Storage

Store cool but frost free between + 15 °C and + 25 °C. In originally sealed packages it 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 while processing the material.

#### Other

Liquid coatings react to temperature fluctuations with changes in viscosity and adhesion. The application specifications of the technical data must therefore be observed exactly. Coating works should only be carried out at falling or constant temperatures. Low temperatures cause slower, higher temperatures and larger amounts of material cause an accelerated reaction. A distance to the dew point of + 3 °C must be maintained during and for at least 4 hours after coating. Coatings are to be fully protected against moisture until completely dry. At material temperatures below + 15 °C, the consistency changes - the material becomes thicker.

#### Related products

KÖSTER CT 127 1C Silane Primer	Prod. code CT 127 005
KÖSTER Color-Chips	Prod. code CT 429
KÖSTER Resin Roller 250 mm	Prod. code CT 916
KÖSTER Resin Roller 150 mm	Prod. code CT 917
KÖSTER Universal Cleaner	Prod. code X 910 010

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.