



## KÖSTER Corrosion Protection

Technical Data Sheet CT 283

Issued: 2025-07-28

- Test report ILF Magdeburg, No. 211116, Resistance to humidity with alternating climate according to DIN EN ISO 6270-1 (AHT); Salt spray test according to DIN EN 60068-2-11\* and DIN EN ISO 9227  
 - Test report ILF Magdeburg, No. 211027, test with sulfur dioxide according to DIN EN 6988  
 - Drinking water certification 156964 P00746/15 Croatian Department of Public Health and Ecology

### Brush, roller or spray applied 2 component solvent free coating for heavy corrosion protection for steel and concrete

	KÖSTER BAUCHEMIE AG Dieselstraße 1-10, 26607 Aurich 18 CT 283 EN 13813:2002 <b>KÖSTER Corrosion Protection</b> <b>Synthetic resin for internal uses</b>
Reaction to fire	Efl a)
Release of corrosive substances	SR
Water permeability	NPD
Wear resistance	≤ AR 6
Bond strength	≥ B 2.0
Impact resistance	NPD
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD
Dangerous substances	NPD

	KÖSTER BAUCHEMIE AG Dieselstraße 1-10, 26607 Aurich 21 CT 283 EN 1504-7:2006 <b>KÖSTER Corrosion Protection</b> <b>Product for corrosion protection of reinforcement</b>
Corrosion protection	passed
Glass transition temperature	NPD
Dangerous substances	corresponds 5.3 (see SDB)

Consumption 0.33 kg / m<sup>2</sup> per 250 µm / layer  
 Solids content 100%  
 The full mechanical and chemical strength is reached after 7 days (at + 23 °C and 65% relative humidity).

#### Chemical resistance

Chemical	Long-term contact	Short-term contact (< 2 h.)
Acetone*	+	+
Aromatic ketones according to DIBt test groups	+	+
Gasoline(Super E5)*	+	+
Diesel*	+	+
Ethylene glycol*	+	+
Sodium lauryl sulfates, 15 %	+	+
Potassium hydroxide, 10 %	+	+
Lactic acid, 3 %	-	+
Lactic acid, 5 %	-	+
Lactic acid, 10 %	-	+
Olive oil	+	+
Oleic acid, 100 %	+	+
Phosphoric acid, 30 %	+	+
Sodium chloride	+	+
Potassium chloride	+	+
Calcium chloride	+	+
Sulfuric acid, 1 %	+	+
Sulfuric acid, 10 %	+	+
Sulfuric acid, 20 %	+	+
Sugar	+	+
Toluene*	+	+
Xylene*	+	+
Coca-Cola	+	+
Coffee	+	+

#### Features

Solvent free epoxy based corrosion protection with excellent adhesion to steel and concrete. KÖSTER Corrosion Protection has high mechanical and chemical resistance.

#### Technical Data

Consistency	Brush roller and spray applicable
Mixing ratio by weight	3 : 1 (A : B)
Mixed Viscosity	approx. 390000 mPa.s
Pot life of 1 kg at + 12 °C / + 23 °C	30 / 20 min.
Color	grey
Density	1.3 g / cm <sup>3</sup>
Application temperature	min. + 5 °C
Dew point temperature difference	min. + 3 °C
Compressive strength (28 days)	> 80 N / mm <sup>2</sup>
Flexural strength (28 days) on steel	> 10 N / mm <sup>2</sup>
(E-Modulus > 190 kN / mm <sup>2</sup> , 2,2 mm thickness, Sa 2½):	> 4.0 N / mm <sup>2</sup>
Min. layer thickness	250 µm

\*Electrostatic charges must be avoided for container sealing.

- No change in mechanical properties (discoloration was not considered in the investigation of long-term contact, +60 °C, 50 % rH).  
 - This table gives typical results from laboratory experiments under standard conditions. The results are intended as a guide for the designer. Combinations of chemicals in this table may cause different results and require separate consultation.  
 - This table is valid until 2.2.2025 or until a new Technical Data Sheet is published.

#### Fields of Application

Corrosion protection for steel and concrete. KÖSTER Corrosion

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.

