KÖSTER
Corrosion Protection

Technical Guideline / Article number **6.083**
Issued: Aug. 30, 2011

Brush and rollable 2 component solvent free coating for heavy corrosion protection

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

Technical data

Consistency	Brush and rollable
Mixing ratio by weight	3 : 1 (A : B)
Pot life at 12 °C / 23 °C	30 / 20 min.
Color	Grey
Density	1,9 g / cm³
Application temperature	min. + 5 °C
Dew point temperature difference	min. 3 °C
Compressive strength (28 days)	> 40 N / mm²
Flexural strength (28 days) on steel (E-Modul > 190 kN / mm², 2 mm thickness, Sa 2½):	> 10 N / mm² > 4,0 N / mm²
Min. layer thickness	250 µm
Consumption	0,5 kg / m² per 250 µm / layer

Fields of application
Corrosion protection for steel. KÖSTER Corrosion Protection can be used as a surface protection in facilities which are exposed to high chemical and mechanical stresses such as agricultural plants, waste water plants or tanks. In combination with KÖSTER PUR-Bitumen a crack-bridging system is achieved.

Substrate preparation
The substrate must be dry, solid, and free of loose particles and bond inhibiting substances such as oil and grease. Steel surfaces must be prepared according to DIN EN ISO 12944-4 (min. Sa 2 ½, average roughness R_{Y5} 50 µm). Weld beads and edges have to be rounded out and can then be covered with KÖSTER VE.

Mixing
Both A and B components must be brought to a temperature between + 10° C and + 15° C before application. The components are mixed thoroughly at least 3 min with a mechanical stirring device. (below 400 rpm) until a homogeneous consistency and color is achieved.
To avoid defects due to insufficient mixing, repot the material and mix it again. Special care is to be taken that material sticking to the sides of the mixing vessel is mixed in.

Application
After mixing the material is applied using a brush or paint roller on the freshly prepared surface. The second coat should be applied no later than 12 hours after application of the first coat. To obtain a crack-bridging system after 12 hours KÖSTER PUR-Bitumen is applied. The temperature of the object must be at least + 3° C over the dew point for min. 24 hours during and after application.

Consumption
Approx. 1 kg / m² (steel, two coats, 0.5 mm layer thickness)

Cleaning of tools
Clean tools immediately after use with KÖSTER KB-Pox® Cleaner.

Packaging

6 kg combi-package	Component A: 4.5 kg Component B: 1.5 kg

Storage
Store the material at temperatures between + 5° and + 25 °C. In originally sealed packages the material can be stored for 12 months.

Safety precautions
Wear protective gloves and goggles when processing the material.

Technical guidelines cited

KÖSTER KB-Pox® Cleaner	Art. Nr. 9.08
KÖSTER PUR-Bitumen	Art. Nr 6.085
KÖSTER VE	Art. Nr. 6.087
KÖSTER Dew point table	6.0

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 · Dieselstr. 3 - 10 · D - 26607 Aurich · Germany
Tel. + 49 4941 9709 0 · Fax + 49 4941 9709 40 · info@koster.eu – www.koster.eu