

KÖSTER TS transparent

Technical guideline
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6.02

2 component brushable, rollable, and sprayable surface sealant

Features

KÖSTER TS transparent is a solvent containing surface sealant for concrete or for coatings made with KÖSTER EM-VS and KÖSTER LF-VL. It is used in conjunction with the KÖSTER BTG System.

KÖSTER TS transparent distinguishes itself through high chemical, mechanical, and ultraviolet resistance. Due to its fast curing time the surface can be opened for traffic after 24 hours.

Technical data

Consistency (+ 23 °C)	approx. 150 mPa.s
Mixing ratio by weight	2 : 1 (A : B)
Pot life at + 20 °C	approx. 20 min
Density	approx 1.0 g / cm ³
Color	transparent
Application temperature	min. + 5 °C, max. + 30 °C
Dew point temp. difference	minimum + 3 °C
Tensile strength (7 d) on concrete (min. C50/60)	> 4 N / mm ²

Field of application

KÖSTER TS transparent is a sealant for concrete and can also be used as a surface sealant for KÖSTER EM-VS or KÖSTER LF-VL. These surfaces can be treated beforehand with common broadcast materials such as KÖSTER Color Chips. KÖSTER TS transparent is suitable for sealing areas subject to high mechanical and chemical stresses. Due to its good ultraviolet resistance it can be used as a surface protection for outside areas, for balconies and terraces, and for commercial premises such as laboratories, multi-function halls, business rooms, offices, production facilities, garages, and many other areas. KÖSTER TS transparent is the final layer of the KÖSTER BTG System. For further details please see the technical system specifications for the "KÖSTER BTG System".

Substrate preparation

The substrate must be dry, free of loose particles as well as free of oil and grease. Dust and other bond inhibiting substances must be completely removed.

Mixing

Both A and B components must be brought to a temperature between + 15 °C and + 25 °C before application. The components are mixed thoroughly at least 2 min. with a mechanical stirring device (below 400 rpm) until a homogeneous consistency is reached.

To avoid defects due to insufficient mixing, replot the material and briefly mix it again. Special care is to be taken that material sticking to the sides of the mixing vessel is mixed in.

Application

The surface and room temperature must be at least + 3 °C above the dew point during and for 4 hours after application. After defining the dew point the components are mixed. The consumption is 100 g per layer. Brush, roll, or spray the material onto the surface to be coated. Consequent layers must be applied between 1 and 24 hours after the first. Spiked shoes must be worn during application while walking over the fresh material.

Consumption

Approx. 0.1 kg / m² as an optical surface coating and for protection against mechanical stresses
Approx. 0.15 kg / m² in the KÖSTER BTG System
Approx. 0.2 kg / m² in two layers as a liquid tight coating

Consumption may vary depending on the roughness of the surface.

Cleaning tools

Clean tools immediately after use with KÖSTER PUR Cleaner.

Packaging

6 kg combi package	comp. A: 4 kg + comp. B: 2 kg
1 kg combi package	comp. A: 0.67 kg + comp. B: 0.33 kg

Storage

Store the material frost free between + 5 °C and + 25 °C. In factory sealed containers it can be stored for 12 months.

Safety

Avoid inhaling the fumes and skin contact. Wear protective clothing, gloves and goggles during processing and application of the material. Make sure the room is well ventilated. In case of skin contact, wash off the material immediately with lots of soap and water. In case of eye contact, flush eyes immediately and thoroughly with water or preferably an emergency eye wash bottle. Consult a physician. During processing and application of the material, do not eat, smoke, or handle open flames. The warnings and safety recommendations on the packaging and on the Material Safety Data Sheet and the regulations of relevant professional organisations must be observed and obeyed.

Technical guidelines cited

KÖSTER Resin Stirrer	Art. Nr. 12.08801
KÖSTER PUR Cleaner	Art. Nr. 9.10
KÖSTER Color Chips	Art. Nr. 6.029
KÖSTER EM-VS	Art. Nr. 6.01
KÖSTER LF-VL	Art. Nr. 6.071
KÖSTER Dew Point Table	
KÖSTER BTG System	

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.