




## KÖSTER TS transparent

Technical Data Sheet CT 320

Issued: 2019-09-09

- Test report from the Bremer environmental institute about VOC and SVOC according to the AgBB, category A+

### Transparent surface sealant, brushable, rollable, and sprayable

	KÖSTER BAUCHEMIE AG Dieselstraße 1-10, 26607 Aurich 13 CT 320 EN 13813:2002 KÖSTER TS Transparent Synthetic resin for internal uses
Reaction to fire	B2
Release of corrosive substances	SR
Water permeability	NPD
Wear resistance	≤ AR 0.5
Bond strength	≥ B 2.0
Impact resistance	Class 1
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD
Dangerous substances	NPD

#### Features

KÖSTER TS transparent is a mechanically very resistant, easy to clean surface sealant for concrete or for KÖSTER coatings such as KÖSTER EM-VS with broadcast.

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 <sup>3</sup>
Color	transparent
Application temperatur	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 <sup>2</sup>

#### Fields of Application

KÖSTER TS transparent is a sealant for concrete and can also be used as a surface sealant for KÖSTER coatings such as KÖSTER EM-VS. These surfaces are 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

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.

#### Application

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.

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

Ca. 0.1 kg / m<sup>2</sup> - 0.2 kg / m<sup>2</sup>  
 Consumption may vary depending on the roughness of the surface.

#### Cleaning

Clean tools immediately after use with KÖSTER PUR Cleaner.

#### Packaging

CT 320 001	1 kg combipackage
CT 320 006	6 kg combipackage

#### Storage

Store the material frost free between + 5 °C and + 25 °C. In factory sealed containers it can be stored for a minimum of 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 all governmental, state, local, and relevant professional organisations must be observed and obeyed.

#### Other

Changes in temperature may change the viscosity and the curing time. Therefore: adhere strictly to instructions in the Technical Datasheet. Process coatings only at constant or falling temperatures. Low temperatures extent, high temperatures shorten the pot life and curing. Distance to dew point has to be 3 °C during processing and curing.

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

## Waterproofing Systems

Protect coatings against moisture during the curing time.

### Related products

KÖSTER LF-BM

Prod. code CT 160

KÖSTER EM-VS

Prod. code CT 210 008

KÖSTER Color-Chips

Prod. code CT 429

KÖSTER PUR Cleaner

Prod. code IN 900 010

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.

**KÖSTER BAUCHEMIE AG • Dieselstraße 1-10 • D-26607 Aurich • Tel. 04941/9709-0 • Fax -40 • [info@koester.eu](mailto:info@koester.eu) • [www.koester.eu](http://www.koester.eu)**