

KÖSTER IN 8

Polyurethane Prepolymer Based, Single Component Injection Product



GENERAL INFORMATION

KÖSTER IN 8 is a water-reactive polyurethane prepolymer. The product only reacts in contact with water and then spontaneously forms a firm, tough, elastic, waterproof polyurethane foam. Contact with water is required for curing and foaming reaction. After the reaction, KÖSTER IN 8 remains viscoelastic and is therefore able to follow crack movements and to permanently waterproof without an elastic solid polyurethane resin re-injection. KÖSTER IN 8 is hydrolysis-resistant.

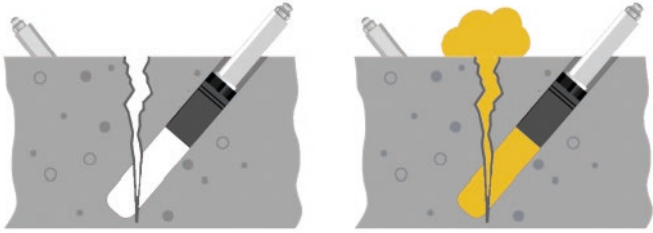

FIELDS OF APPLICATION

For one-step or multiple step waterproofing of water-bearing cracks in concrete and masonry using the pressure injection method without reinjection with a solid resin. As a sealing injection in concrete and masonry.

- Stopping fast large water leakages with foaming action.
- Waterproofing horizontal and vertical cracks.
- Capable of filling voids.
- Sealing wall-floor joints.
- Create a flexible bond.



TECHNICAL DATA	STANDARD	VALUE
Ideal Application Temperature		+15C
Viscosity	At +25C	300 mPa.s
Volume Increase		30 : 1
Flash Point		> +100C
Density	At +20C	apr. 1.1 kg/L
Density of Reacted Foam		apr. 0.1 g/cm ³
Reaction Start Time		30 seconds
Reaction End Time		60 seconds

APPLICATION	
SURFACE PREPARATION	<p>Before application, KÖSTER Packer injection dowels are placed into the crack at an angle of 45 degrees. Anchor spacing is related to the conditions in the application area and may vary, an average value of 15-20 cm dowel spacing may be preferred.</p>  <p>Depending on the application conditions, the front of the crack can be left open or, if necessary, sealed with KÖSTER Wasserstop before application.</p>
PREPARATION OF MIXTURE	<p>KÖSTER IN 8 is applied as a single component. In cold weather or when very high pressure/high flow water needs to be stopped, its speed can be adjusted using KÖSTER IN 8 Accelerator.</p> <p>In single component applications, KOSTER IN 8 is poured into the funnel of the injection machine without mixing. In applications to be made with two components, KOSTER IN 8 and IN 8 Accelerator are carefully mixed with a slow-speed mixer before application. It is important that the mixture is done slowly and that the product does not foam.</p>
KÖSTER KB-PUR IN 8 APPLICATION	<p>The application can be made with a motorized injection machine or KÖSTER Manual Injection Press. The injection process is done from the bottom up until the resin reaches the next dowel. Care should be taken that the resin fully penetrates even into the capillary cracks and the application should be done by an experienced applicator.</p>
CONSUMPTION	<p>For each liter of space: apr. 0.1 kg</p>
CLEANING OF TOOLS	<p>Immediately after application with KÖSTER Thinner No.1</p>
STORAGE	<p>Store in a dry environment and at a temperature of +15C, unopened in its original package. Protect from frost. Shelf life is 6 months.</p>
PACKAGING	<p>KOSTER IN 8: 10 kg jerrycan – KOSTER IN 8 Accelerator: 0,5 kg bottle</p> 
IMPORTANT NOTES	<p>Application should not be made at temperatures below +5C. The pot life of polyurethane-based products is limited. Mixture should be made to be used immediately, especially in hot environments. Mixing should not be done other than the specified mixing ratio.</p>
CAUTION	<p>Do not consume solid or liquid substances during the application, do not breathe the vapor. Use protective gloves, goggles and clothing. Avoid eye and skin contact. In case of skin contact, wash with plenty of water and soap. In case of eye contact, rinse with plenty of water and seek medical advice immediately. Keep out of reach of children. Do not swallow, do not use empty packages for storing food and drinking water.</p>

LEGAL NOTES

This guide has been issued to provide details regarding the use and application of our products, which can be used in very wide and various areas and to demonstrate the general technical details. This information reflects the knowledge and expertise of our company and is of recommendation nature. Especially, the details regarding implementation and final use are provided with good will to cover the storage, handling and application of our products under normal and recommended conditions. Products, application surfaces, areas and application conditions vary in practice. Therefore, it is of utmost importance to make sure you are applying the right product, at the right conditions and places. Since KÖSTER cannot check how its products are used, it does not accept any responsibility regarding the results of the application and does not provide any guarantees. Information provided here or written/verbal information provided by KÖSTER employees should solely be considered as recommendation. KÖSTER employees to visit the application area do not create any supervisor responsibilities on our part. The product users (user) should test the suitability of the product they are planning to use for the respective application and purpose. KÖSTER has the right to modify its products without announcement. Acceptance of all orders is based on our current sale and transportation terms and conditions. Users should always consider the final version of the local Technical Sheet of the respective product, which can be obtained by applying to KÖSTER. Product users should act cautious and observe and protect their own interests and property rights. They are even obliged to act in this manner. This guide only covers KÖSTER products and is not valid for products of other companies. Only the written announcements of our company are valid regarding matters that require technical support provided by us. This technical document is valid until a new version is printed and supersedes all previous versions.



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