



KOSTER Joint Tape 20

Technical Data Sheet J 820 020

Issued: 05-19-16

Elastic sealing tape for waterproofing joints and cracks

Features

KOSTER Joint Tape 20 is a thermoplastic tape for sealing expansion and isolation joints and cracks. KOSTER Joint Tape 20 is UV resistant, highly elastic, and can withstand extreme movements of the joint. The joint tape system consists of the KOSTER Joint Tape 20 and the KOSTER KB-Pox Adhesive (2-component epoxy based, thixotropic, high performance adhesive), which are applied as a system.

Technical Data

Width	7.87 in (20 cm)
Color	Grey
Elongation at break	> 400 %
Tear resistance (lengthwise)	> 1300 psi
Tear resistance (crosswise)	> 870 psi
Resistance to temperature	-22° F to +176° F
Hardness (Shore A)	80
Peel off strength	> 290 psi
Resistance to water pressure	> 116 psi
Resistance to UV radiation	> 7500 hours
Chemical resistance	Water and bitumen based waterproofing products, water, sea water, waste water, sunlight, hydrolysis, micro-organisms
pH resistance	pH = 2 to 10 (below 86° F) pH = 5 to 10 (below 104° F) pH = 6 to 8 (below 140° F)

Fields of Application

- Waterproofing horizontal and vertical isolation joints
- Waterproofing wide and irregular cracks
- Connection joints of slabs and walls
- Concrete, mortar, wood, metal, steel, aluminum, glass fiber reinforced plastics, epoxy mortar, natural and artificial stones and many other building materials.
- Terraces and balconies
- Façades
- Wet rooms
- Foundations and curtain walls
- Concrete pipes
- Water basins
- Swimming pools
- Tunnels
- Car parks
- Power plants
- Wastewater tanks/waste water treatment plants

Application

KOSTER Joint Tape 20 may be welded with a hot air welding machine set to 518° F. Maximum temperature allowed for welding is 572° F.

Welding of the tape should be carried out prior to the application. Before welding the tape, roughen the seam area with a wire brush or scouring pad. To weld the tape, place it on a level substrate and press the overlapping ends of the tape together firmly using a wood or hard rubber roller.

1. KOSTER KB-Pox Adhesive is applied to the prepared substrate on both sides of the joint so that both sides of the KOSTER Joint Tape 20 are embedded into the adhesive at least 1 1/2-in. KOSTER KB-Pox Adhesive should be approx. 0.08-in thick.
2. Immediately embed KOSTER Joint Tape 20 into the fresh adhesive and press onto the adhesive using a hand roller or a similar suitable tool. Ensure the tape has good contact to the adhesive.
3. Apply a second layer of KOSTER KB-Pox Adhesive on top of the KOSTER Joint Tape 20 so that the edges of the KOSTER Joint Tape 20 are overcoated by at least 1 1/2-in. Apply KOSTER KB-Pox Adhesive so that it covers the substrate next to the tape at least 3/4-in.

Do not stress the system for at least 24 – 48 hours after application. Protect the freshly applied system from water, rain and frost until it is fully cured. Do not apply below 40° F, or if temperatures below 40° F are expected within 24 hours of application. Do not apply the system on wet or frozen surfaces. Do not apply the system on dusty or weak surfaces. If in doubt, test the pull off strength. High levels of humidity may prevent proper curing of the epoxy adhesive. In areas which are stressed by traffic, the system should be covered with protective metal plates.

Cleaning

Fresh epoxy adhesive can be removed with KOSTER KB-Pox Cleaner. Cured material can only be removed mechanically.

Packaging

J 820 020 7.87 in (20 cm) width, 65.6 ft length

Storage

Store the material dry and cool. In originally sealed packages, it may be stored for 12 months.

Safety

Consult Safety Data Sheet. Always wear proper personal protective equipment when handling this product.

Limited Warranty

KOSTER warrants that its product shall be in accordance with the specifications published in the current revision of the products data sheet. KOSTER covenants that in the event any of its products fail to meet their published specifications, KOSTER shall replace those products proved to be defective. KOSTER shall not be responsible for any incidental or consequential damages due to the breach of its

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 installer is responsible for the correct application taking into consideration the specific conditions of the construction site and 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 deviate from the specifications contained in any Company literature may not be relied upon in the absence of written confirmation from the Company. The installer must comply with all testing, technical requirement, guidelines, and industry customs at all times. The terms, conditions, and limitations contained in the written warranty for the product controls over the specifications contained herein. This guideline has been technically revised; all previous versions are invalid.

warranties. Notwithstanding the foregoing, KOSTER's sole liability hereunder shall not exceed the cost of the defective product originally purchased. EXCEPT AS SET FORTH ABOVE, KOSTER MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities associated with it.

Related products

KOSTER KB-Pox Adhesive	Art.-Nr. J 120 005
KOSTER Joint Tape 30	Art.-Nr. J 830 020
KOSTER Universal Cleaner	Art.-Nr. X 910 010

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