

KÖSTER

Joint Tape 30

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Elastic sealing tape for waterproofing joints and irregular cracks

Features

KÖSTER Joint Tape 30 is a thermoplastic tape for sealing expansion and dilatation joints and irregular cracks.

KÖSTER Joint Tape 30 is UV resistant, highly elastic and can withstand extreme movements.

The Joint Tape System consists of the KÖSTER Joint Tape 30 and KÖSTER KB-Pox[®] Adhesive (a 2 component epoxy based, thixotropic high performance adhesive) which are applied as a system.

Technical data

Width		30 cm
Color		RAL 7045 grey
Elongation at break	EN ISO 527-3	> 400 %
Tear growth resistance	EN 12310-2	> 600 N / cm
Tear resistance lengthwise	EN ISO 527-3	> 9 MPa
Tear resistance crosswise	EN ISO 527-3	> 6 MPa
Resistance to cold / heat	SIA 280/3	- 30 °C to +8 0 °C
Hardness (Shore A)	ISO 868	80
Resistance to bitumen	DIN 16726	Resistant
Peel of strength		> 20 N/ 10 mm
Resistance to water pressure	EN 1928	> 8.0 bar
Resistance to UV radiation	SIA V280/10	> 7500 hours
Chemical resistance	Water and bitumen based waterproofing products, water, Sea water, waste water, UV radiation, hydrolysis, micro organisms	
pH resistance	pH = 2 to 10 (below + 30 °C) pH = 5 to 10 (below + 40 °C) pH = 6 to 8 (below + 60 °C)	
Limited resistance to	Acids and alkalis, organic solvents such as Esters and Ketons	

Advantages

- UV resistant
- Permanently elastic, even at low temperatures
- Good adhesion to concrete, mortar, steel and many other building materials
- Resistant to puncturing and tearing, easy to repair

- Easy application of adhesive and tape
- Easy to cut, weld (hot air) and join
- Resistant to constant exposure to water
- Resistant to roots

Field of application

- Waterproofing horizontal and vertical dilatation joints
- Waterproofing wide and irregular cracks
- Connection joints of slabs and walls
- Suited substrates are concrete, mortar, wood, metal, steel, aluminium, glass fiber reinforced plastics, epoxy mortar, natural and artificial stones and many other building materials.

Typical application areas:

- Terraces and balconies
- Facades
- Wet rooms
- Foundations and curtain walls
- Concrete pipes
- Water basins
- Swimming pools
- Dilatation joints
- Tunnels
- Park houses
- Power plants
- Wastewater tanks, waste water treatment plants, etc.

Surface preparation

Surfaces must be clean, dry, sound and solid. On damp surfaces, the pull off strength should be tested. Dust, oil, grease, old coatings, laitance, efflorescence, rust, curing compounds, wax, formwork release agents and similar contaminants must be removed prior to application.

Concrete surfaces: If necessary, the substrate has to be sanded, ground, or shot blasted to guarantee an optimal adhesion of KÖSTER KB-Pox[®] Adhesive.

Metal surfaces: Must be cleaned to SA 2 ½ standard.

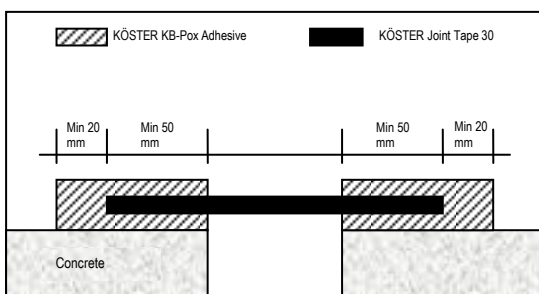
Mixing:

Please refer to the KÖSTER KB-Pox® Adhesive technical guideline.

Application:

KÖSTER Joint Tape 30 can be welded with a hot air welding machine set to + 270 °C. The maximum temperature allowed for welding is + 300 °C. 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 a scotch brite. To weld the tape, place it on a level substrate and heat the overlapping ends with a hot air gun. Press the ends of the tape together firmly using the KÖSTER Rubber Hand Roller. In this way lengths greater than 20 m (the length of 1 roll) can easily be made on site.

1. KÖSTER KB-Pox® Adhesive is applied to the prepared substrate on both sides of the joint so that both sides of the KÖSTER Joint Tape 30 are embedded into the adhesive at least 50 mm. The layer thickness of the KÖSTER KB-Pox® Adhesive should be approx. 1 - 2 mm.
2. The KÖSTER Joint Tape 30 is then immediately embedded into the fresh adhesive and pressed into the adhesive using a hand roller or a similar suited tool. Make sure that the tape has complete contact to the adhesive.
3. A second layer of KÖSTER KB-Pox® Adhesive is then applied on top of the KÖSTER Joint Tape 30 so that the edges of the KÖSTER Joint Tape 30 are over-coated at least 50 mm. Also apply KÖSTER KB-Pox® Adhesive so that it covers the substrate next to the tape at least 20 mm.



Do not stress the system for at least 48 hours after application.
Protect the freshly applied system from water, rain and frost until it is fully cured.

Consumption

Approximately 1.5 kg of KÖSTER KB-Pox® Adhesive per meter KÖSTER Joint Tape 30

Packaging

Rolls 30 cm wide and 20 meters long.

Cleaning of tools

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

Notes

- Do not apply below + 5 °C or if temperatures below + 5 °C are expected within the next 24 hours.
- Do not apply the system on wet or frozen surfaces.
- Do not apply the system on sanding or weak surfaces. If in doubt, test the pull off strength.
- Cold temperatures prolong and warm temperatures shorten the pot life and curing time of the epoxy adhesive.
- High levels of humidity may prevent proper curing of the epoxy adhesive.
- For application of the system as part of a negative side waterproofing, please contact our Technical Service.
- In areas which are stressed by traffic, the system should be mechanically protected from damage with protective metal plates.

Storage

Store the material in a cool and dry place. In originally sealed packages it can be stored for 12 months.

Technical guidelines cited

KÖSTER KB-Pox® Cleaner	Art.-No.	9.08
KÖSTER KB-Pox® Adhesive	Art.-No.	8.12
KÖSTER Rubber Hand Roller	Art.-No.	12.10

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.