



KÖSTER Quellband

Technical Data Sheet J 270 005

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- MPA Braunschweig; PZ Nr.: P-1201/138/16-MPA BS

For use as an internal joint waterproofing bar in construction members made of concrete with high resistance to water ingress against pressurized and non-pressurized water and moisture

Sodium bentonite based water swellable joint tape

Features

KÖSTER Quellband is a sodium-bentonite based water swellable joint tape with an alkalinity activated surface coating which stops premature swelling of the tape on the building site.

Advantages:

- Alkalinity activated- stops premature swelling on contact with water
- Easy application
- No special tools are needed
- Permanent seal of the joint after swelling - fills all voids and cracks in the concrete
- Easy to use, non-sticky surface even at high temperatures
- No material fatigue - swells even after years

Technical Data

Dimensions	
Width	25 mm
Thickness	20 mm
Appearance	Homogenous
Application temperature	+ 5 °C - + 30 °C
Color	Black, coated
Flammability (DIN 4102)	B2 - normally inflammable
Roll dimensions	6 x 5 m per box
Expansion pressure	approx. 0.5 N/mm ²
Density	approx. 1,81 g / cm ³
Expansion	up to 500%
Pressure resistance	1.2 bar

Fields of Application

KÖSTER Quellband is used as a waterstop in concrete construction joints. The robust strip is simply nailed onto an existing joint face before the consequent concrete pour. Any leakage through the joint activates the KÖSTER Quellband. KÖSTER Quellband breaks down during the swelling process and the resulting paste seals all cracks and voids permanently.

Substrate

The substrate to be sealed must be sound and solid, free of dust, oil, and grease as well as other bond inhibiting contaminants.

Application

KÖSTER Quellband can be used in horizontal and vertical joints. KÖSTER Quellband needs to be covered with at least 8 cm of concrete on all sides to reach the necessary expansion pressure. When combining lengths of KÖSTER Quellband do not overlap the ends. Butt tape ends up to each other.

Consumption

1 m / m

Cleaning

Clean tools immediately after use with KÖSTER Universal Cleaner.

Packaging

J 270 005

6 x 5 per box

Storage

Store the material dry and frost free. In originally sealed packages the material can be stored for 3 years.

Safety

Observe all governmental, state, and local safety regulations when installing the material.

Related products

KÖSTER WP Mortar

Prod. code W 534 025

J - Joint sealing

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.

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