



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.

Advantages:

- 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 in the installed state even after years

Technical Data

Dimensions	
Width	25 mm
Thickness	20 mm
Length	5 m
Appearance	Homogenous
Application temperature	+ 5 °C - + 30 °C
Color	black,
Surface	dusting of talcum powder
Roll dimensions	6 x 5 m per box
Density	approx. 1,81 g / cm ³
Expansion	up to 300%
Pressure resistance	7 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 can be applied in all vertical and horizontal joints.

Substrate

The substrate to be sealed must be sound and solid, free of dust, oil, and grease as well as other bond inhibiting contaminants. Larger irregularities or imperfections in the installation area must be leveled with KÖSTER WP Mortar.

Application

KÖSTER Quellband is installed in horizontal or vertical construction joints in the center of the component with a minimum concrete cover of 8 to 10 cm. The concrete cover is required to absorb the expansion pressure of the KÖSTER Quellband.

The KÖSTER Quellband is fixed at a maximum distance of 35 cm with steel nails or impact dowels. At roll ends or intersections the Koster Quellband is simply butt jointed together and should not be overlapped.

The KÖSTER Quellband is installed immediately before the formwork is erected or as close as possible to the time of concreting. Should there be any major delays before concreting, the KÖSTER Quellband

must be protected from rain and water accumulation by suitable means (e.g. covering).

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
KÖSTER Universal Cleaner	Prod. code X 910 010

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.