

KÖSTER KB-Flex[®] 200

Technical guideline / Article number
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8.05

- application-technological testing for sealing annular gaps KB-Flex 200; MFPA Leipzig

Permanently plastic, damp and waterproof sealing compound for waterproofing against pressurized water

Features

Permanently plastic sealing compound for sealing pipe and cable penetrations, cavities and for custom detail waterproofing solutions, moisture and pressurized water. It does not dry out and remains permanently mouldable. It adheres very well to dry and moist substrates.

Technical data

Material basis	Polyolefin
Color	grey
Specific gravity	1.60 g/cm ³
Heat resistance	max. + 50 °C
Consistency	pasty, non-sagging
Application temperature	+ 5 °C to + 35 °C
Substrate temperature	+ 5 °C to + 30 °C

Fields of application

For sealing pipe and cable penetrations as well as for custom detailed solutions in below ground structures. Applicable for sealing leakages also in the case of active pressurized water.

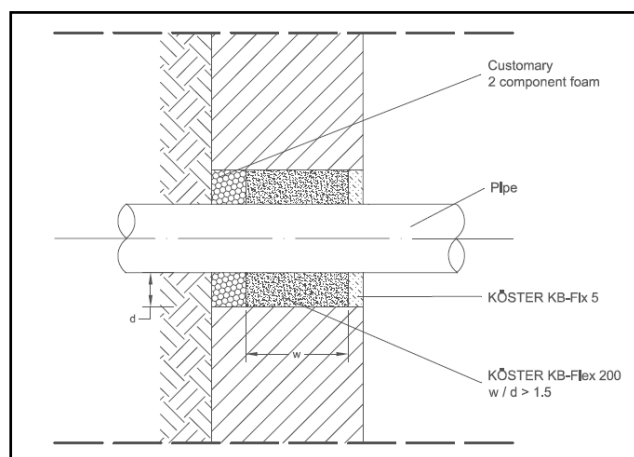
Substrate preparation

The substrate can be dry, moist or wet. The substrate must be free of grease, tar and oil as well as free of loose particles. Suitable substrates are: concrete, masonry, mortar, plaster and all other mineral construction materials. KÖSTER KB-Flex[®] 200 will also bond on ceramic, PVC, polyethylene and polypropylene.

Application

Prior to application, the KÖSTER KB-Flex[®] 200 cartridge is put into warm water and heated to approx. + 30 °C. This ensures that the material has the optimal consistency for application. The application area flanks must be thoroughly cleaned from the inside so that they are free of dust, sand and other loose particles.

Waterproofing made of KÖSTER KB-Flex[®] 200 must be dimensioned so that the ratio of the width (w) to the diameter (d) of the installed material is not below 1.5 : 1. The maximum diameter of the waterproofing is 300 mm.



Before applying KÖSTER KB-Flex[®] 200, a backing is installed in the penetration at a depth of 10 cm using a common 2C PU-foam. The KÖSTER KB-Flex[®] 200 cartridge is then placed in the gun and the material is pressed into the penetration from back to front utilizing the nozzle so that the resulting layer thickness is at least 8 cm.

When sealing cable penetrations, jiggle the cables to reveal voids and re-press KÖSTER KB-Flex[®] 200 into any eventual voids created. Ensure that the cable is tension free after finishing the sealing. Finally the sealing compound is recessed approx. 1 cm from the wall surface and smoothed with a metal spatula. As an additional safeguard, the exposed material is covered with KÖSTER KB-Fix 5.

If a new cable is to be installed in this penetration later on, then the KB-Fix 5 plug must be removed first. After that, the (new) cable is pushed through the (existing) KÖSTER KB-Flex[®] 200. Finally, if necessary, the penetration is resealed by pressing additional KÖSTER KB-Flex[®] 200 around the cables.

Cleaning of tools

Clean tools immediately after use with KÖSTER Bitumen Remover.



Consumption

Approx. 1.6 kg / l void

Packaging

310 ml / 500 g cartridges in boxes of 6 or 12 pieces

530 ml / 850 g cartridges; one box contains 20 pieces.

Storage

Store the material at room temperature (approx. 20 °C) In originally sealed packages it can be stored for 2 years.

Technical guidelines cited

KÖSTER KB-FIX 5	Art. No.	5.01
KÖSTER Bitumen Remover	Art. No.	9.03

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.