

## KÖSTER KB-Flex<sup>®</sup> 200

Technical guideline / Article number  
Issued: January 15, 2010

**8.05**

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

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

#### Features

Permanently plastic sealing compound for sealing of pipe penetrations, cavities and the like against moisture and pressurised water. It does not dry out but remains permanently moldable. It adheres very well to dry and moist substrates.

#### Technical data

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

#### Field of application

Sealing of pipe and cable penetrations in structures below ground. Applicable for the sealing of leakages also in case of active leakages of pressurized water.

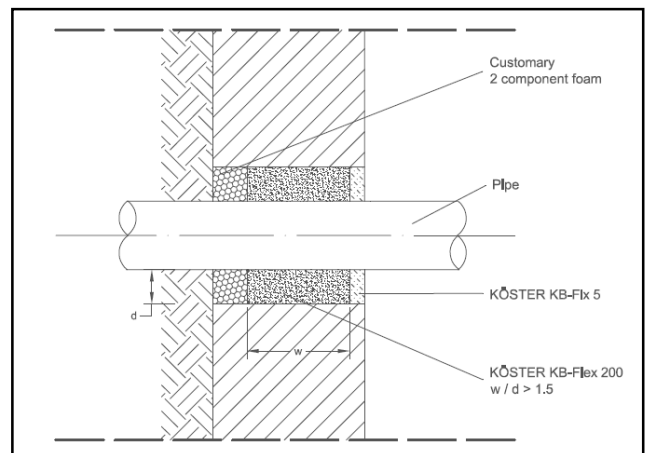
#### Substrate preparation

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<sup>®</sup> 200 will also bond on ceramic, PVC, polyethylene and polypropylene.

#### Application

Prior to application, the cartridge containing KÖSTER KB-Flex<sup>®</sup> 200 is put into warm water and thus heated to approx. 30 °C. This ensures that the material will have an optimal consistency for application. The penetration must be thoroughly cleaned from the inside so that it is free of dust, sand and other loose parts.

The waterproofing made of KÖSTER KB-Flex<sup>®</sup> 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 to 1. The maximum diameter of the waterproofing is 300 mm.



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

After sealing cable penetrations, jiggle the cables and press KÖSTER KB-Flex<sup>®</sup> 200 into potential voids created by the jiggling. Make sure that the cable is lying free of tension after finishing the sealing. Finally, the sealing compound, laying back approx. 1 cm from the inside wall surface, is pressed in well and smoothed with a metal spatula. As an additional safeguard, the mouth of the penetration is closed 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<sup>®</sup> 200. Finally, if necessary, the penetration is resealed by pressing in additional KÖSTER KB-Flex<sup>®</sup> 200.

#### Cleaning of tools

Clean tools immediately after use with KÖSTER Bitumen Remover.

#### Consumption

Approx. 1.6 kg / l void



#### **Packaging**

850 g cartridges; one box contains 20 cartridges.

#### **Storage**

Store the material at room temperature (approx. 20 °C); in originally sealed packages, it can be stored for approx. 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.