

KÖSTER

Capillary Rods

Technical guideline / Article number 11.06
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- German patent no. 42 01 821, no. 43 06 687.C2, no. 59 303 387.6-08 and no. 19 54 58 79.6
- European patent no. 06 87 333
- Official test report; MFPA, Leipzig – according to WTA guideline 4-4-03 (KÖSTER Crisin® Suction Angle System)

Patented injection wick for the uniform distribution of KÖSTER Mautrol® Liquid Sealant and KÖSTER Crisin® 76

Properties

KÖSTER Capillary Rods are made of a special expanding cellulose. They allow for the injection liquid to be installed uniformly and accurately.

Fissures and cracks are bridged, and the loss and waste of injection material is avoided. When using KÖSTER Capillary Rods, the drill holes do not have to be filled with KÖSTER Borehole Suspension prior to injection. This also saves the applicator the work- of re-drilling the boreholes.

Field of application

KÖSTER Capillary Rods are designed for the retroactive installation of horizontal barriers against rising damp or wicking moisture in masonry, concrete and plaster via injection using the Cartridge- or the Suction-Angle-Systems with KÖSTER Crisin® 76 or KÖSTER Mautrol® Liquid Sealant. They can be applied from the inside or from the outside.

Application

After drilling the holes with a drill bit diameter of 14 mm, the KÖSTER Capillary Rods (Ø 12 mm) are inserted into the drill holes.

1. Cartridge System, angled drill holes

KÖSTER Capillary Rods are inserted into the drill holes so that a depth of 4 cm from the opening of the drill hole remains free. This is where the discharge nozzle of the cartridge is inserted.

2. Suction-Angle-System, horizontal drill holes

KÖSTER Capillary Rods must protrude at least 7 cm from the drill hole. These are inserted into the holes together with the suction angles and firmly fixed.

By simply joining or cutting the rods, they can be made to fit to any wall thickness. Two pieces of KÖSTER Capillary Rod can be connected by sticking a wire through the contact areas of both pieces.

In order to swell to fit the drill hole diameter, KÖSTER Capillary Rods have to be pre-wetted. Then the chosen injection liquid is installed through the inserted capillary rods.

KÖSTER Capillary Rods are removed from the masonry after the installation. Finally, the drill holes are closed with KÖSTER KB-Fix 5.

Packaging

- Units of 50 pieces (45 cm long)
- Units of 50 pieces (90 cm long)

Storage

Store the material in a dry place; the rods can be stored for 24 months.

Technical guidelines cited

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| KÖSTER Mautrol® Liquid Sealant | Art.-No. | 3.041 |
| KÖSTER Mautrol® Cartridge System | | |
| KÖSTER Mautrol® Suction-Angle-System | | |
| KÖSTER Crisin® 76 | Art.-No. | 3.081 |
| KÖSTER Crisin® 76 Cartridge System | | |
| KÖSTER Crisin® 76 Suction-Angle-System | | |
| KÖSTER KB-Fix 5 | Art.-No. | 5.015 |
| KÖSTER Mautrol® Borehole Suspension | Art.- No. | 3.05 |
| KÖSTER Suction Angle | Art. No. | 12.03 |

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.