

-Test report according to the Building Rules List from the Leipzig Institute for Materials Research and Testing
-General technical approval according to the Building Rules List from the Leipzig Institute for Materials Research and Testing

Water Stop Board for secure sealing against pressurized water in concrete construction joints

Features

The KÖSTER Water Stop Board IN is a sealing element for the secure waterproofing of concrete construction joints. The KÖSTER Water Stop Board is coated with a cold self adhesive special coating on the outside so that a permanent leak proof bond is achieved to the fresh concrete. The special coating is also characterized by high adhesion, even at cold temperatures. The inside of the board consists of an open honeycomb structure, which in the case of leakage can be used as an injection conduit. By installing the KÖSTER Water Stop Board IN a double joint safeguard is created in one work step, extra installation of injection hoses or expansion tape is made unnecessary.

Technical Data

Length	approx. 250 cm
Height	approx. 15 cm
Thickness	approx. 5 mm
Material	Color White / transparent Polypropylene, Honeycomb structure 800 g / m ²
Coating	Special cold self adhesive coating on both sides
Encasing depth	at least 3 cm

Fields of Application

For installation in the concrete working joint to waterproof in horizontal and vertical areas. The KÖSTER Water Stop Board IN is suitable for waterproofing against pressurized and non-pressurized water.

Application

1. Work Step

The individual boards are attached by wire stirrups to the upper slab reinforcement steel, or are centrally encased in the form between the floor-floor or wall-wall juncture. The stirrups are to be looped around the board and attached to the reinforcing steel with a suitable wire. Connections are made by overlapping the boards at least 5 cm and pressing them together. The siliconized foil

should at first only be removed from the overlapping area. The overlap must be secured with a clamp. Corners are to be bent to fit the construction angle. In the case that shortening a board is necessary, the cut surfaces are to be sealed with KÖSTER KBE Liquid Film.

2. Work Step

Remove the siliconized protective foil from the lower half of the board along the perforation directly before concreting.

3. Work Step

Remove the remaining protective foil from the board directly before the second concreting step. The foil protects the board from contamination between work steps. The casting depth of the board in the first concreting step must be at least 3 cm and not more than half of the board width.

Note

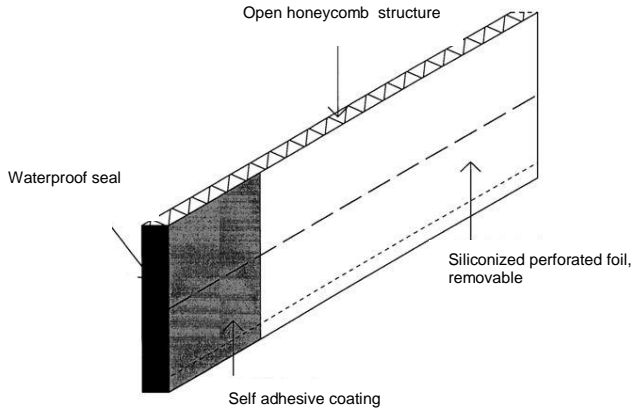
Soiled or damaged board elements are not to be installed and must be replaced. To achieve a pressurized waterproof connection it is necessary to have a completely clean bonding surface with sufficient contact pressure.

Double joint safeguard

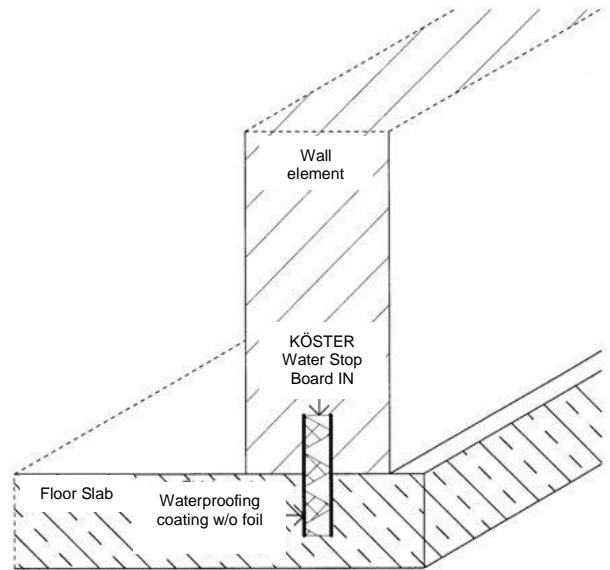
Should the joint leak due to outside influences, for example faulty concreting or compaction, the honeycombed structure provides an existing injection conduit for the subsequent waterproofing. In this case the KÖSTER Water Stop Board IN is drilled into at a 45° angle and injected with the low viscosity injection resin KÖSTER KB-Pur® IN 5. The injection holes should be spaced 25 cm apart.

Placement examples

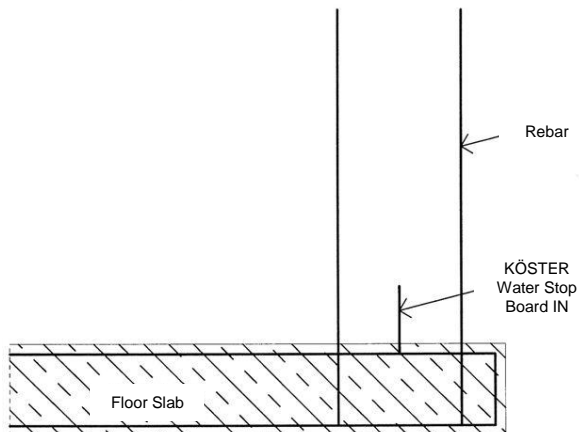
KÖSTER Water Stop Board IN in profile



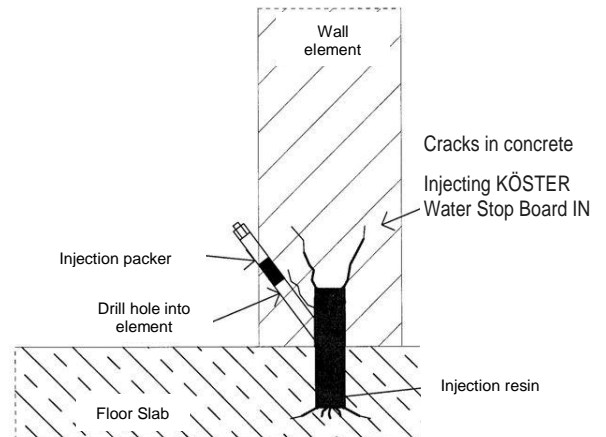
Installed KÖSTER Water Stop Board IN



Placing the KÖSTER Water Stop Board IN



Double joint safeguard
Injection subsequent to leakage



Storage

Store the material frost-free at temperatures between +5° and +25°C.

In originally sealed packages, it can be stored for 12 months.

Packaging

250 cm long, 15 cm wide

Package contains 10 pieces

Please note

Avoid point loading and damage due to pressure during storage. Adhere to the guidelines and suggestions according to the DIN 1045, WU guideline and DBV data sheets for planning and production of construction joints.

Technical guidelines cited

KÖSTER KBE Liquid Film

Art.-Nr. 1.13

KÖSTER KB-Pur® IN 5

Art.-Nr. 6.17

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.