



Systemabdichtungsbaustoffe

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Kaubit Horizontal Stop

Technical Data Sheet

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Silification agent for pressurized or unpressurized injection into masonry or concrete walls against capillary rising humidity

Properties:

A solvent-free, thin silification agent on the basis of special alkali-silicates with hydrophobic additives designed to establish a pressurized or unpressurized injection against capillary rising humidity in mineral building structures. Due to its low viscosity and the pressurized injection the product disperses evenly into very small capillaries of the treated walls where it is fully effective. Within a few days Kaubit horizontal stop reacts with the building material forming a flexible gel, which plugs the capillaries and thus dries out the brickwork. Organ silicates contained in the material have a hydrophobic effect on the gel and ensure a permanent horizontal barrier. The gel mineralises gradually causing an additional stabilization of the concrete respectively the brickwork. Kaubit horizontal stop does not corrode reinforced steel.



Application:

Kaubit Horizontal Stop is suitable for establishing subsequently a horizontal barrier against capillary rising humidity in all kinds of absorbent mineral building materials e.g. concrete, calcareous sandstone, bricks, many natural stones and mortar. For interior and exterior application. Kaubit horizontal stop is not suitable for application in loam masonry respectively masonry with bed joints made of shell limestone.

Technical specifications:

Working temperature:	min. +5°C
Colour :	blue
Viscosity :	10 mPa.s
Density :	1.2 g/cm ³
pH-value:	11.5 to 12

Preparation of the substrate:

When injecting Kaubit horizontal stop from the outside the required boreholes are placed at ground level, when injecting it from the inside at floor level, when applying a negative sealing with Kaubit flex sealing slurry 2K at soil level. The centre distance between the boreholes is 10 to 12.5 cm and the vertical offset is 8 cm max. The boreholes are to be drilled diagonally downwards into the masonry with an angle of 30 – 45° by crossing 2 or 3 mortar joints. The holes should be drilled until a depth of approx. 5 cm before the end of the wall is reached.

Before inserting Kaubit horizontal stop the boreholes must be cleaned from boring dust by using air pressure. Any cavities, fissures, open joints or cracks

located during boring have to be filled through the boreholes with Kaubit borehole suspension.

Use:

Kaubit horizontal stop is injected with pressure into the lower row of boreholes. If no pressure is build up check if injecting material flows off through cracks or open joints. In this case these leakages have to be sealed with Kaubit borehole suspension. Continue injection until all capillaries respectively pores are filled. Material, which comes out the borehole has to be removed. Having finished the injection work the boreholes have to be filled with Kaubit borehole suspension.

Consumption:

Depending on absorbency, application or masonry thickness 1.5 to 3.0 kg/m with 10 cm wall thickness. On highly absorbent masonry up to 4.0 kg/m is possible.

Information on further processing:

The plaster must be knocked off at least 50 cm beyond the visibly penetrated area. Damaged mortar joints are to be scraped out to a depth of approximately 2 – 3 cm. The exposed surface has to be treated at first with Kaubit salt binder and then with Kaubiflex Sealing Slurry 2K in order to achieve a permanent protection against salt efflorescence. Finally Kaubit facing plaster is applied.



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Cleaning of tools and equipment:

Tools and dirty areas are to be cleaned with water immediately after use. The hardened product can only be removed mechanically.

Storage:

Can be used for a period of at least 12 months when stored in a cool and frost-protected place in original packaging.

Supplied as:

10 kg cans	20 kg cans
60 cans / pallet	24 cans / pallet

200 kg drum
2 barrels / pallet

Further sizes and units available on request.

Safety information:

Kaubit horizontal stop is classified as a hazardous material according to the German Gefahrstoffverordnung (Dangerous Goods Regulation) and the EC-Guidelines. Wear suitable protective gloves and glasses or face protection during work. Danger of severe eye damage. Safety advice: In case of contact with eyes rinse thoroughly with water and consult a doctor, if necessary, and present label or Safety Data Sheet. In case of contact with skin wash off immediately with plenty of water. Wear protecting gloves and glasses or face protection.

Disposal:

Containers, which have been thoroughly emptied, can be recycled under the "Green Dot" scheme operated by Duales System Deutschland AG.

For further information see also Material Safety Data Sheet (MSDS).