Technical Data Sheet
Issue: 23-09-2015

AQUASTOP

WTA certified up to a degree of 95 ± 5 % moisture penetration by injecting under gravity

Properties:

AQUASTOP is a watery, solvent free injection product against up-rising humidity in walling (horizontal barrier) based on silane with a creamy consistency.

Specific features:

- silane based, solvent free creamy material
- ready to use
- optimized for application under gravity
- easy handling
- useful even for high levels of moisture penetration

AQUASTOP is used as water-repellant injection material for abatement of rising humidity in walling.

Yielding of the material is realized without pressure over boreholes. At the area of injection a uniform distribution in the walling should be achieved.

AQUASTOP can even be used at high levels of moisture penetration (see WTA test report).

Technical Data:

Substance data:

Consistency	pasty	
Colour	white to yellowish	
Odour	hardly noticeable	
Spec. density (20°C)	approx. 0.9 g/cm^3	DIN EN ISO 2811-1
Non-volatile-matter content	approx. 80 %	DIN EN ISO 3251
Solubilty in water	mixable	
Processing temperature	5 - 30°C	substrate temperature

Processing:

AQUASTOP, either supplied in tubular bags is ready to use and is being injected over boreholes into the walling. The boreholes are being set mostly at the passage of soil and exposed walling (outdoor) or in height of flooring (indoor). The penetrating injection pipe has to be fit to the borehole size and placed in as far as possible. By slowing pressing out of the material and simultaneous pulling out of the injection pipe a fully filling of the boreholes should be achieved.

The distance of the boreholes and their diameter is dependant to the absorbency of the walling material and can vary. So different types of masonry should be taken into account (massive brick masonry, double-shelled masonry, etc.).

AQUASTOP is injected to horizontal boreholes into the bed joint. Usually (homogeneous walling) a distance of boreholes of 8 - 12 cm and a diameter of 12 mm is customary. The drilling depth corresponds to the wall thickness minus 2 to 3 cm.

The boreholes must be filled fully with *AQUASTOP*. Like this the absorbent joint areas get infused fully. In any case the boreholes has to be cleaned from dust by blowing out before injection.

Consumption dependent on wall thickness:

Wall thickness	Wall sealing per meter*
12 cm	ca. 5,50 m
24 cm	ca. 3,00 m
36 cm	ca. 1,75 m
44 cm	ca. 1,40 m

(* refer to one 600 ml tubular bag)

For the processing of *AQUASTOP* we recommend using of *AQUAINJEKTOR 1000* or *Z2* caulking gun with injection tool.

Safety information:

AQUASTOP contains silanes and is not classified as hazardous according to Regulation (EC) 1272/2008 (CLP).
Even in the case of not classified products, the standard precautionary measures applicable for chemical products should be observed.

It is therefore necessary, before beginning processing, to become familiar with the precautions and safety advice as indicated in the material safety data sheet.

Packaging:

600 ml aluminium foil sausage
9 kg plastic bucket
26 kg hobbock

Bigger packaging on request.

Storage:

Shelf life at least 6 month in original packaging when stored in dry conditions between 15-25°C, protected from heat, frost and direct sunlight.

After the expiration the use of the product is generally not recommended, unless an approval has been provided by TPH. This approval can only be obtained by the quality assurance department of TPH releasing the material after verification of main properties being within specification.

Disposal:

Small quantities of cured product residues can be disposed of as normal domestic waste. Dispose of not cured product components must be effected in accordance with the corresponding local regulations. For further information please refer to the material safety data sheets.

Test certificates:

Testing of *AQUASTOP* injection product in accordance with WTA-information sheet 4-4-04/D; IBAC Aachen 2010

Testing of *AQUASTOP* according to WTA-information sheet 4-4-04/D - "Injection of masonary in order to avoid capillary moisture content"; IBAC Aachen 2015

Legal notice:

The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.

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