

Technical Data Sheet

PT Inject Cream HQ

**- highly concentrated injection cream -
(silane based, oil-free, hydrophobic)**

Product description

PT Inject Cream HQ is a ready to use, highly concentrated, oil-free, silane based and watery injection cream. The injection in masonry leads, after penetration, to a hydrophobic barrier and penetrates in very fine capillaries because of the special formulation. PT Inject Cream HQ penetrates by diffusion and absorbency into the capillaries of the masonry. In case of a fast penetration is required PT Injection Cream HQ 2C can be used.

Application areas

PT Inject Cream HQ is used for injection of walls against rising dampness in old buildings. The new developed technology allows the injection into very humid walls. Different test institutes confirmed the possibility for injection walls with a degree of moistening between 95% and 100%. PT Inject Cream HQ has a silane active content of approx. 83% (+/- 3%). On the bases of the creamy consistence, PT Inject Cream HQ can be used without prior preparation of the wall.

Product advantages

- **Approved according WTA guidelines**
- **Ready to use**
- **Creamy consistancy**
- **Solvent-free**
- **Oil-free**
- **Hydrophobic, no closing of pores**
- **No filling of cavities required**
- **Excellent penetration in very find capillaries**
- **Usable in very humid walls (up to 100%)**
- **Accelerated penetration**
- **„Made in Germany“**

Specification

Base	: special silane
Color	: white/light blue
Processing temperature	: + 5°C up to +40°C
Density	: approx. 0,89 g/cm ³
Consistency	: creamy
Active content	: approx. 83 % (weight %)
Effect	: hydrophobic

Consumption : depend of wall thickness, look application

All technical datas are measured in our laboraty.

Please take notice about the safety information and advice given on the safety data sheets and packaging labels.

Delivery form

5 kg bucket	Article-No. 08100005
10 kg bucket	Article-No. 08100010
25 kg bucket	Article-No. 08100025
800 kg IBC-Container	Article-No. 08100800

Storage

12 months (frost-free and dry, +5°C up to +25°C in original packaging).

Application

Surface preparation

The old salt and humid damaged "old plaster" must be removed minimum 80 cm above the visible damaged surface. Loose, sandy and damaged material has to be cleaned out of the joints, minimum 2 cm deep. Maybe the surface requires a mechanical cleaning by grinding. Damaged bricks must be replaced. In case of salt damaged and dusty surface, the surface must be treated with PT Deep Primer. Joints and cavities must be reprofiled with PT Swelling Mortar. Afterwards the boreholes must be drilled with a diameter of 12 (max. 20 mm) with a distance of 8 – 12 cm horizontal into the mortar joint between the bricks. The depth of boreholes must be 5 cm lesser than wall thickness (For example: 40 cm wall thickness = 35 cm borehole depth).

Clean out the boreholes with oil-free compressed air. In case a double row injection is required, the vertical displacement of the holes of 8-12 cm may not exceeded. The use of PT Inject Cream HQ in aerated concrete is possible, but dependent on certain requirements. (If you intend to use the product in aerated concrete please contact the R&D of proof-tec).

Material

PT Inject Cream HQ can be injected without any pressure or with low pressure. The injection will be done by using a 1K injection device or sprayer with injection lance. The injection of holes must be from the rear to the front. Place the injection lance at the end of the borehole and by pushing the injection pistol pull out the lance slowly. Take care that the borehole is complete filled with PT Inject Cream HQ. In case of double row application, start the application with the lower row. In very critical areas a test injection is recommended.

Consumption:

approx. 1.5 kg/ per m and sqm wall with a borehole diameter of 12 mm

Example:

11.5 cm wall thickness: approx. 100 ml

24.0 cm wall thickness: approx. 220 ml

36.0 cm wall thickness: approx. 330 ml

48.0 cm wall thickness: approx. 440 ml

We recommend to increase the consumption with a security factor of 10%. After PT Inject Cream HQ has been penetrated in the wall, the boreholes can be closed and sealed with PT Water Stop Mortar or PT Swelling Mortar.

For drying of the walls it is necessary that no dense wall paints or coatings are present, these must be removed. Adequate drying conditions must be provided; additional action may be required.

Depending on the situation and cause additional sealing systems are required, such as the application of a water vapor open restoration plaster, a positive or negative side waterproofing system. For support, please contact the R&D department of proof-tec.

Notes:

Tools can be cleaned with water immediately after using.

Recommended tools

Injection device

Gloves

Safety glasses

PT Water Sttop Mortar

PT Swelling Mortar

Application areas:**Remarks**

The information given in this technical data sheet corresponds to the current state of development and is based on our experience, our knowledge and is non-binding. An investigation has to be done with focus on the respective building project and the area of application. The technical expert advice of proof-tec employees does not exclude the planning or control by an engineer. We are liable within the scope of our general delivery and sales conditions, we are not liable for the application of our materials. The generally accepted rules of technology must be observed. If necessary, preliminary tests have to be carried out.

Version 09/2021

All previous versions of this technical data sheet are not valid anymore and should not be used anymore.