

# HYDRO BLOC Si709 integral

## REACTIVE SILOXANE RESIN CONCENTRATE FOR HORIZONTAL BARRIERS

### Product Description

HYDRO BLOC-Si-709 is a new reactive self-crosslink siloxane concentrate. Developed for highly efficient horizontal barriers against capillary active water in moist and water-carrying building materials. Effective sealing can still be done with Hydro Bloc Si 709, even there where silicone and silane based injection agents fail long ago.

### Uses

HYDRO BLOC-Si-709 is a concentrate. Depending on consistence of the building material, Si-709 must be diluted with 10 - 15 parts of water (tap water). So the product is very economically in use. By getting in contact with building material, Si-709 is hardening per chemical reaction. Accordingly it is irresolvable from the structure of the building material. The cross linking reaction takes place autonomous. Si-709 contains already a reaction starter.

### Technical Data

#### Consistence

reactive siloxane solvent

#### Appearance

clear liquid

#### Density

ca. 1,01 g/ml at 20 °C

#### Viscosity (not diluted)

ca. 2 St. at 20 °C

#### Flash Point

> 75 °C

#### Smell

weak, alcoholic

#### VOC content

ca. 3 %

#### Identification as substance

Xi (irritant)

#### Identification after VbF

Does not apply

#### Identification after ADR / RID

Does not apply

#### Poisonous category CH

Not classified

#### Storage / Safety

Store 709 cool, but protect it of frost. Si-709 is at least for 12 month durable by storing in original casks below 37 °C. Store it inaccessible for children. The store should be ventilated.

Do not store together with food.

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## Product Data Sheet

Product No:

### Note

The technical bases for horizontal barriers are defined in „Application technology for chemical injections against ascending humidity in masonry of WTA.

HYDRO BLOC-Si-709 is tested after these instructions by IBAC Aachen and admitted by WTA\*.

\*WTA = Wissenschaftlich technischer Arbeitskreis Denkmalpflege

## Application

### General information

Dilute HYDRO BLOC-Si-709 before use with tap water. The grade of diluting is depending on humidity penetration and absorbency of the sealing wall. One part Si-709 can be diluted with 5 to 15 parts water.

### Dilution

- Abstemious clammy or strong sucking building material = 1:10 - 1:15

- Wet or only humid building materials = 1 : 5 - 1 : 9

With tap water diluted HYDRO BLOC-Si-709 solvents are at least storable for one week. The diluted product can flocculate or gelatinise if not clean and soft water is used. We recommend to use fresh d injection solution diluted prior to use.

HYDRO BLOC-Si-709 is not corrosive.

## Safety Instructions

### Safety precautions

Please attend the relevant national regulations for work with injection materials. Generally, we recommend to wear safety goggles and protective close.

Si-709 contains small amounts of volatile and flammable organic ingredients. Look out for enough air ventilation during work with Si-709

### Legal notes

Whilst information and/or specification contained herein is to the best of our knowledge true and accurate, and is based on many years experience, we cannot accept any liability either directly or indirectly arising from these of our products, whether or not in accordance with any advice, specification or recommendation given by us, as we have no direct or continuous control over how or where our products are applied.

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