

HydroBloc®SI 740

A silane/siloxane compound for impregnating absorbent, mineral building materials. Reactive, highly effective, with pasty-creamy consistency. Penetrates deeply and quickly, its water-repellent effect is outstanding, the resistance to ageing is excellent.



HydroBloc®SI 740 is suitable for the permanent water-repellent treatment of -

- **Concrete and porous concrete**
- **Fibre cement products**
- **Absorbent natural stones**
- **Mineral plasters**
- **Bricks and unglazed ceramic**

The special chemical composition of HydroBloc®SI 740, its paste-like consistency and thixotropy and its exceptionally high resistance offer many advantages in application:

- **Excellent penetration, even into dense, low-pore building materials**
- **Alkali resistance (HydroBloc®SI 740 is also suitable for fresh concrete)**
- **Reduces capillary suction and water absorption**
- **Prevents efflorescence and damage due to freeze/thaw cycles**
- **Significant improvement of the freeze-thaw cycle resistance**
- **Vapor diffusion and drying out are not hindered**
- **Reduces growth of algae and lichens and prevents contamination**
- **Overpaintable, also with emulsion paints (!)**
- **Easy application, no drops, no run-off losses**

Building materials impregnated with HydroBloc®SI 740 remain dry. Façades will not become damp even in driving rain and strong winds. The heat transfer value of the wall does not change, it stays warm. Energy is saved, the living climate is not worsened, and colonisation by mould on the inside is also reduced.

Important: HydroBloc®SI 740 contains reactive silanes which react with the silicate substrate. The covalent (chemical) bond anchors them permanently in the pores of the building material.

Its creamy consistency has clear advantages compared to conventional impregnating agents, not only when treating vertical surfaces, but also when applied overhead, i.e. on ceilings, beams and even on surfaces with complicated shapes, e.g. artistic objects or historical buildings in the preservation of historical monuments.

HydroBloc®SI 740 meets the requirements of ZTV-SIB 90 and TL-OS (1996) for class OS-A and according to SIBR for class OS 1.

Application

Processing

HydroBloc®SI 740 can be sprayed with compressed air or airless equipment, applied by brush, paintbrush, roller, trowel or spatula. For cleaning machines and equipment, water is sufficient, preferably with the addition of a commercial wetting agent (dishwashing detergent).

Consumption

For an effective impregnation, a single application of approx. 200 g/m² of the cream is completely sufficient. However, the consumption naturally depends very much on the application technique and the absorbency of the substrate and can be determined exactly by means of test areas.

Application als primer

HydroBloc®SI 740 is suitable as a hydrophobic deep and adhesive primer for paints such as emulsion paints, silicone facade paints or plastic-bound plasters. Preliminary tests should always be carried out for such applications.

Properties

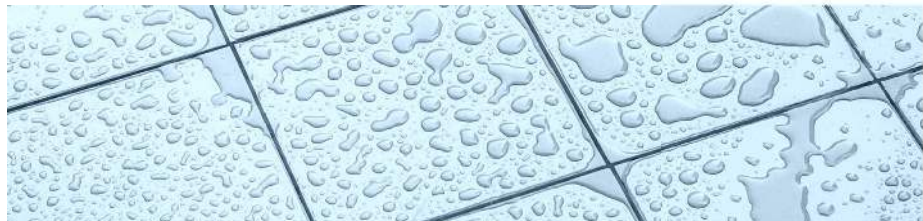
Composition	Alkylsilanes, emulsified in water
Aspect	White, pasty (creamy) paste
Odour	Very faint smell, typical
Active Ingredient	> 35 Weight % (!)
Density	Approx. 0,95 g/ml at 20°C (DIN 51757)
pH-Value	Approx. 7
Flash point	Not applicable

Storage Work Safety

Under normal storage conditions, in original unopened containers and at a storage temperature of 10 - 20°C, the HydroBloc®SI 740 can be stored for at least 12 months from the date of delivery.

The product must be protected from heat and frost during storage. The storage temperatures should not fall below 5 °C and not exceed 40 °C.

HydroBloc®SI 740 is not a hazardous working material. Please refer to the current safety data sheet for any information on safe handling and disposal of the product.



These technical information describe the present-day state of knowledge these product. They should only inform about the possibilities of application and could not release the applicator of his commitment to check the possibility to use the product for the required application. Information for processing can be found in processing instructions of our product. Information about safe handling can be found in our current safety data sheet.

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ARCAN Waterproof

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passion to invent 