

Drill hole concentrate for horizontal sealing using the low-pressure method

With official test certificate

Characteristics

INTRASIT® BLK 180S is a water-soluble siloxane product which penetrates well even into small capillaries.

INTRASIT® BLK 180S is a concentrate that is diluted with clean tap water to give the required concentration. The increasing concentration of BLK in the masonry due to the evaporation of the water contained triggers the cross-linking process and hydrophobic lining of the pores. **INTRASIT® BLK 180S** does not require a reactant.

- Hydrophobic
- Self-crosslinking
- Easy to apply
- Ideally suited for low-pressure injection
- Suitable for humidity penetration up to 95%

Use

INTRASIT® BLK 180S is particularly well-suited for water-proofing wall sections above the line of impounded water and pressurized water using the low-pressure method.

Areas of application:

- Masonry without voids and cavities
- Horizontal damp courses
- Low-pressure injections < 10 bar

Specifications

Packaging	PE/tin bucket
Container size	20 kg /5 kg
Delivery form	24 containers/pallet 1.05 kg/l
Density	+5 °C to +35 °C
Application temperature	frost-free, 12 months
Storage	

Quantity required

Reference value for 30 cm lime-sandstone masonry using the drill hole method	approx. 0.5 kg/linear metre
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The quantity required depends on the absorbency of the masonry.

Preparation of the surface

Masonry must be free of voids and cavities. If masonry is porous or brittle, use **INTRASIT® BLS 54TR** to fill voids, cavities and/or cracks in the masonry.

Application

The relevant guidelines are DIN 1053 for masonry and WTA (international association for science and technology of building maintenance and monuments preservation) information sheet 4-4-03D (application guidelines for chemical waterproofing methods).

Creating a horizontal damp course using the drill hole method

1. Drill holes at intervals of 10 - 12 cm (the drill hole diameter depends on the packer used).
Depending on the condition of the masonry and the degree of humidity penetration of the brickwork, holes can be drilled in one or two rows.
For moisture saturation above 75 %, the horizontal damp course must be created in 2 rows.
2. Blow the drill holes.
3. Fill up large voids or cavities with **INTRASIT® BLS 54TR**. Inject **INTRASIT® BLK 180S** following the initial hardening of the drill hole suspension.
4. **INTRASIT® BLK 180S** with water in a mixing ratio of 1 : 7 for masonry with high moisture penetration, or up to 1 : 14 for lower levels of moisture penetration. Add **INTRASIT® BLK 180S** to clean, clear tap water and stir well. The stability of the mixed solution depends on the individual hardness of the water, but is usually at least 1 week.
5. Inject the solution using the low-pressure method (< 10 bar). Document the quantities of material used. If you have not injected enough of the product, re-inject if necessary.
6. Wash all processing equipment with clean water immediately after use.

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INTRASIT® BLS 54TR

Important notes

- Mix the product in clean, clear tap water only. Always pour clear water in the mixing bucket first, then add **INTRASIT® BLK 180S** in the required mixing ratio.
- Document the quantity of material used.
- Read the WTA information sheets.
- Please also read the brochure "INTRASIT® remedial interior basement wall repair".
- The volatile organic compound content is about 3 %, depending on the dilution.
- Clean all valves and hoses of pump systems with water after use, as otherwise the packer mounting head may become blocked.

Ingredients

Siloxane in conjunction with a small amount of volatile organic compounds

Safety provisions/recommendations

Information regarding the safety during transport, storage and handling are included in the updated safety data sheet.

Disposal

The local waste removal regulations must be observed.

Manufacturer

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