

Sealing compounds for waterproofing work

With official test certificate

Characteristics

INTRASIT® DS2 54Z is a combination of cement and mineral fillers that can be painted and spread with a trowel. It is free of efflorescence and has a hydrophobic effect.

Once hardened, the slurry is waterproof and offers excellent resistance to frost and heat.

- Easy to apply
- Frost-resistant
- Waterproof
- Permits diffusion
- Safe to use in contact with drinking water

Use

INTRASIT® DS2 54Z is used for waterproofing structures in contact with the soil against ground moisture, non-pressing surface water, seepage water and waste water.

For waterproofing old buildings, cellar walls and structures on the inside surface.

For vertical and horizontal exterior and interior surfaces and for prepared and non-shrinking substrates.

Areas of application:

- Outdoors and indoors
- Washrooms, bathrooms, showers, etc.
- Silos, waster water treatment plants, shafts
- Monolithic water tanks, drinking water containers and swimming pools not deeper than 5 m depth of water

Specifications

Packaging	Paper bag
Container size	25 kg
Delivery form	40 sacks/pallet
Colour shade	grey
Powder density	approx. 1.4 kg/l
Application temperature	+5 °C to +30 °C
Processing time	approx. 45 minutes
Rain resistant	after approx. 4 hours
Treadable	after approx. 8 hours
Coatable	after approx. 7 days
Water vapour diffusion resistance factor μ	approx. 97
Water imperviousness after 28 days of submersion	approx. 1.5 bar
Bending tensile strength after 28 days	approx. 6 N/mm ²
Compressive strength after 28 days	approx. 40 N/mm ²
Adhesive tensile strength	approx. 1.5 N/mm ²
Storage	dry, 12 months

Quantity req. / thickness of layer

Ground moisture	approx. 4 kg/m ² corresponding to 2.0 mm
Non-pressing water	approx. 5 kg/m ² corresponding to 2.5 mm
Pressing water	approx. 6 kg/m ² corresponding to 3.0 mm
Water tank (depth of water 5 m)	approx. 6 kg/m ² corresponding to 3.0 mm

All data at +20 °C and 60 % relative atmospheric humidity.

Preparation of the surface

The substrates must be firm, even, resilient, free of frost, dust, dirt and plaster.

Pre-wet absorbent bases well, so that no moisture is leached from the sealing slurry. The surfaces to be sealed must be free of cracks; if necessary, chisel out cracks and fill with cement mortar or inject resin. Make good any faults, render over rock pockets. Repoint mortar in brickwork, if required. On irregular brickwork with numerous bumps and hollows, apply a leveling coat of cement mortar.

Break all edges under 45° or bevel (bevel width \geq 3 cm).

Round out all corners with coving of at least 4 cm.

In the case of critical wall and floor slab sealings outdoors and indoors, e.g. when the reverse side is damp, apply a pre-treatment with **INTRASIT® VK 10A**.

Application

Guidelines are DIN 1053 for masonry and DIN V 18550 for plaster.

1. Slowly pour **INTRASIT® DS2 54Z** into clear water in a clean mixing container while stirring it well until you have a smooth texture without any lumps. Recommended mixing ratio for troweling or brushing: 25 kg **INTRASIT® DS2 54Z** : 4.5 to 6 litres of water
2. Brush the slurry on with a wide brush in at least 2 sessions. Apply the first coat thickly, covering the substrate fully within two hours. Apply the second coat after about 6 hours.
3. Clean all processing equipment with water immediately after use. Hardened material can only be removed mechanically.

Precautions

After hardening, **INTRASIT® DS2 54Z** must be protected from damage with plaster/rendering, screed, tile covering, drainage tiles, etc. and from drying out too quickly (keep damp for at least 24 hours).

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INTRASIT® VK 10A

Important notes

- Observe the working temperature of +5 °C to +30 °C.
- Do not mix with other building materials.
- Do not overcoat with materials containing gypsum.
- Check the sealing for minimum layer thickness and any faults before completing work.
- Protect against extreme weathering during the hardening phase.
- Maximum quantity to apply per coat 4 kg/m².

Ingredients

Standard cements, mineral aggregates, additives, synthetic dispersion powder, sealant

Safety provisions/recommendations

Contains cement and will cause alkaline reactions when it comes into contact with moisture or water.

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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