

Sealing and protective mortar for concrete and masonry, crack-bridging

Characteristics

INTRASIT® DSM-Pro 54Z is a 2-component surface protection coat especially for the protection of concrete and masonry against the effects of moisture and chloride in non-traversable areas and as a structural waterproofing in areas in contact with soil.

- Surface protection system OS 5b as per DIN EN 1504-2
- Structural sealing according to PG-MDS / FPD.
- crack bridging at -20 °C
- impermeable to water
- open to water vapour diffusion
- resistant to de-icing salts
- carbonation brake
- can be painted over
- sprayable
- minimum shrinkage $\leq 3\%$

Use

- Outside and inside / walls and floors
- concrete, plaster and masonry
- non-traversable areas in underground and multi-storey car parks
- foundations
- plinth areas
- supports
- scraped shelves
- bridge consoles
- areas covered with soil

Specifications

Packaging	Combination cont.
comp. A, liquid	10 kg
comp. B, powder	15 kg
mixing ratio	1 part by weight comp. A 1.5 parts by weight comp. B
delivery form	18 containers/pallet
Colour shade	grey
density, ready to process	1.40 kg/l
density comp. A	1.01 kg/l
density comp. B	1.30 kg/l
shrinkage	$\leq 3\%$
processing temperature (air, substrate, product)	+5 °C to +30 °C
base	Cement-polymer mix
processing time ¹⁾	+10 °C approx. 120 min. +20 °C approx. 60 min. +30 °C approx. 30 min.
adhesive tensile strength (28d)	> 0.8 N/mm ²
crack bridging class	B2 (at -20 °C)
crack bridging	0.4 mm (as per PG-MDS)
drying time ¹⁾	approx. 3 hours
rain-proof ¹⁾	after approx. 5 hours
recoatable ¹⁾	after approx. 5 hours
storage	cool, frost-free and dry, 12 months

Quantity required

as OS5b	approx. 4.2 kg/m ²
as MDS	approx. 2.8 kg/m ²

higher consumption with roughness depth compensation

R _f 0.2 mm	approx. 0.8 kg/m ²
R _f 0.5 mm	approx. 1.0 kg/m ²
R _f 1.0 mm	approx. 1.4 kg/m ²

¹⁾ At +20 °C and 60% relative air humidity.

Preparation of the surface

The substrates must be firm, level, resilient, free from oil, grease, frost, dust, dirt, mortar remains and loose parts; brickwork must be fully pointed. Break corners and edges, blast or mill concrete surfaces. For application as OS-5b system, the substrate must have a surface tensile strength of at least 0,8 N/mm² (average). Smallest single value: min. 0,5 N/mm². Clean, dust-free, dry substrates so that the absorbency is suppressed and the surface is slightly moist or dry. Apply **INTRASIT® Aquarol 10A** as primer on all absorbent mineral substrates. **VESTEROL® MS 55HSP** allows equalizing unevenness, pores, and voids and forming channels.

Application

Put component A into a clean container and add component B while stirring thoroughly. Mix with a suitable stirrer (400 rpm) for at least 3 minutes until a homogeneous, lump-free and smoothable slurry is obtained. Apply **INTRASIT® DSM-Pro 54Z** evenly with a brush or smoothing trowel. To obtain an evenly structured surface use a soft brush to equalize. Avoid material agglomerations in corners and indents. Immediately equalize the surface at medium temperatures. The sealing must be protected by applying suitable protective measures as per DIN 18533.

hahne system products

INTRASIT® Aquarol 10A
VESTEROL® MS 55HSP
HADALAN® Acryl 10D

Important notes

- Maintain an application temperature (air, substrate, product) of +5 °C to +30 °C.
- If the product is applied in direct sunlight, at elevated temperatures and windy weather, early skin formation must be expected.
- Only use on dry or mat moist substrates.
- Rough trowel marks in the surface and material agglomerations are to be avoided.
- Observe the dew point temperature.
- Prepare porous substrates by applying scratch filling.
- Take into account possible higher consumption due to the substrate.
- The specified consumption quantities are guide values that may differ depending on the situation.

Ingredients

Liquid component: Polymer dispersion, additive powders: Special cements, mineral aggregates, auxiliary materials

Safety provisions/recommendations

Powder component contains cement and will cause alkaline reactions when it comes in contact with moisture or water.

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

Disposal

The local waste removal regulations must be observed.

Manufacturer

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