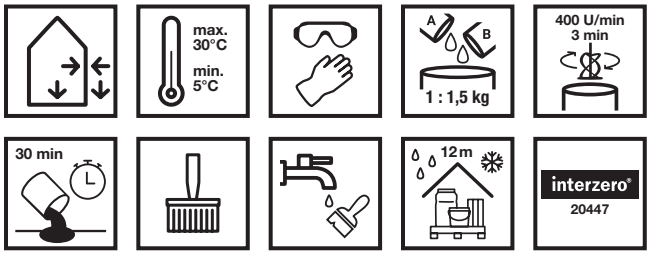
INTRASIT® DSM-Pro 54Z

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



These pictograms apply to the **basic product**.
Deviations are possible depending on the area of application and processing.

PRODUCT INFORMATION

Description

INTRASIT® DSM-Pro 54Z is a 2-component, cold-flexible surface protection coating, especially for the protection of concrete and masonry against the effects of moisture and chloride in non-trafficable areas and as a structural waterproofing in areas in contact with the ground.

Application

- Surface protection system OS 5b according to DIN EN 1504-2
- Structural waterproofing according to PG-MDS/FPD

Operational area

- Concrete, plaster, masonry
- non-trafficable areas in underground garages and parking garages
- Foundations
- plinth areas
- supports
- scuff plates
- Bridge consoles
- areas covered with soil

Properties

- crack-bridging at –20 °C
- waterproof
- water-vapour permeable
- resistant to de-icing salt
- inhibits carbonation
- can be painted over
- sprayable
- minimum shrinkage ≤ 3 %

Producer: **Sievert Baustoffe SE & Co. KG** | Mühleneschweg 6 | 49090 Osnabrück
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Technical Data

Available container sizes	25 kg/combination container
Component A	10 kg liquid component
Component B	15 kg powder component
Mixing ratio	1 (component A / liquid) : 1.5 (component B / powder)
Colour	grey
Density, ready to use	approx. 1.4 kg/l
Density of component A	1.01 kg/l
Density of component B	1.30 kg/l
shrinkage	≤ 3 mm/m
Processing temperature	+5°C to +30°C
Processing time	approx. 120 min (+10 °C) approx. 60 min (+20 °C) approx. 30 min (+30 °C)
Adhesive tensile strength on concrete	> 0.8 N/mm²
Crack bridging class	B2 (at –20 °C)
Crack bridging capacity	0,4 mm
Rain resistance	after approx. 3 hours [1)]
Revisability	after approx. 5 hours [1)]
Fully hardened and resilient	after 24 hours [1)]
Storage	cool, frost-free and dry, 12 months
Consumption	approx. 2,8 kg/m² as MDS approx. 4,2 kg/m² as OS5b

[1)] At +20 °C and 60 % relative humidity

SUBSTRATE

Properties/tests

- The substrate must be firm, level, load-bearing, free of oil, grease, frost, dust, dirt, mortar residue and loose particles.
- Masonry must be fully jointed.
- For use as an OS-5b system, the substrate must have a surface tensile strength of at least 0.8 N/mm² (on average). Smallest individual value at least 0.5 N/mm².

Preparation

- Break corners and edges, blast or mill concrete surfaces.
- Clean, dust-free, dry substrates need to be pre-wetted so that absorbency is prevented and the surface is matt damp to dry.
- Use INTRASIT Aquarol 10A as a primer on all absorbent, mineral substrates.
- VESTEROL MS 55HSP can be used to level out unevenness, pores and cavities and to form coves.

AREAS OF APPLICATION AND PROCESSING

Applying

- Pour component A into a clean container and add component B while stirring thoroughly. Mix with a suitable agitator (400 rpm) until a homogeneous, lump-free and trowelable slurry is formed, but for at least 3 minutes.
- Apply INTRASIT DSM-Pro 54Z evenly with a brush or smoothing trowel. Smooth with a soft brush to achieve a uniformly textured surface. Avoid material accumulation in corners and recesses. Smooth the surface directly at medium temperatures.
- Protect the waterproofing with suitable protective measures in accordance with DIN 18533.

NOTES

Cleaning

- Clean tools immediately after use with water.

System products

- INTRASIT® Aquarol 10A
- VESTEROL® MS 55HSP

To be observed

- Maintain a processing temperature of +5 °C to +30 °C.
- Premature skin formation is to be expected in the event of sunlight, increased temperature and wind movement. Shading precautions are recommended.
- Only use on dry or matt damp substrates.
- Coarse trowel marks in the surface and material accumulations must be avoided.
- Prepare porous substrates by scratch coating.
- Allow for additional consumption due to the substrate.
- The stated consumption quantities are guide values which may vary in practice depending on the situation.

Ingredients

- Liquid component: Polymer dispersion, additives
- Powder: Special cements, mineral aggregates, additives

Occupational safety / Recommendation

- The powder component contains cement and reacts strongly alkaline with moisture / water. Therefore protect eyes and skin. In case of contact, always rinse with water. In the event of contact with the eyes, consult a doctor immediately Further information on safety during transportation, storage and handling can be found in the current safety data sheets.

Disposal

- The following applies to all systems: Only return empty containers to recycling partner Interseroh. Cured product residues can be found under the waste code in accordance with the Waste Catalog Ordinance 08 04 10 (waste adhesives and sealants with the exception of those mentioned in 08 04 09). Hardened powder residues can be disposed of according to EWC code no. 17 01 01 (concrete).

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The statements are made based on extensive tests and practical experiences. They cannot be applied to every application case. Therefore, we recommend carrying out application trials if necessary. Subject to technical changes in the course of further development. Furthermore, our General Terms and Conditions of Business apply.