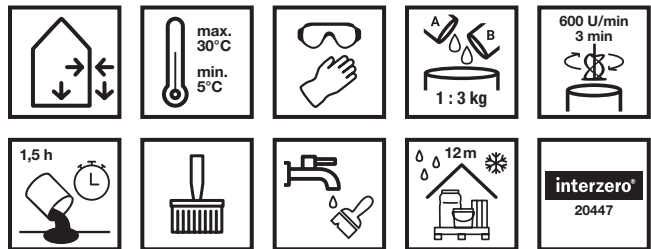


INTRASIT® Poly-C1 54Z

Sealing compound for waterproofing in building and underground construction, 1.5 - 5 mm



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

PRODUCT INFORMATION

Description

INTRASIT® Poly-C1 54Z is a pasty, well-adhering polymer-cement-based waterproofing compound. After mixing the two components, the result is a PCC mortar that is easy to trowel and spreadable after adding 1 % water. INTRASIT® Poly-C1 54Z cures stress-free even in layer thicknesses of 5 mm.

Application

- for waterproofing in building construction and civil engineering on concrete, plaster and masonry, for alternative waterproofing under tiled surfaces indoors and outdoors
- for horizontal waterproofing under rising walls
- as intermediate and spray water waterproofing, as well as bonding bridge
- for full-surface waterproofing of concrete surfaces, also in areas in contact with the ground and as basement waterproofing in accordance with DIN 18533 W1-E, W4-E
- for waterproofing building bases and for bonding perimeter insulation boards in the splash water area
- as a carbonation brake for concrete components exposed to the elements

Operational area

- Concrete, plaster, masonry
- Damp and wet rooms
- Balconies, terraces, arcades
- Waterproofing of concrete surfaces in areas in contact with the ground

Properties

- resistant to the aggressive substances normally found in soil
- crack-bridging
- waterproof
- flexible at low temperatures
- frost and de-icing salt-resistant
- universal use
- can be plastered over

Technical Data

Available container sizes	20 kg/set
Colour	grey
Density, ready to use	approx. 1.7 kg/l
Processing temperature	+5°C to +30°C
Processing time	approx. 1 – 2 hours
Cold fracture (25 mm mandrel)	< 0 °C
Elongation at break	approx. 80 %
Adhesive tensile strength on concrete	0,8 N/mm ² (dry), 0,9 N/mm ² (moist), 0,7 N/mm ² (after frost/thaw change)
Tensile strength	approx. 1.1 N/mm ²
Impermeability	3 bar / 28 days
Rain resistance	after approx. 3 hours ¹⁾
Fully hardened and resilient	after 24 hours ¹⁾
Water vapour diffusion resistance μ	approx. 1800
Storage	frost-free, dry, 12 months
Consumption	approx. 2 kg/m ² per mm dry layer thickness approx. 3 kg/m ² in case of normal load approx. 4 kg/m ² in case of pressing water approx. 3,4 kg/m ² according to DIN 18533 W1-E and W4-E
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.

Preparation

- Pre-wet substrate evenly, matt damp.
- Break corners and edges, create coving.
- Minor unevenness can be evened out with INTRASIT Poly-C1 54Z using a scratch coat.
- Brush or spray VESTEROL TG 10D onto gypsum plaster and gypsum plasterboard as a primer.
- Use IMBERAL Aquarol 10D as a primer on all absorbent, mineral substrates.

AREAS OF APPLICATION AND PROCESSING

Applying

- Mix INTRASIT Poly-C1 54Z with a slow-running stirring tool (400 to 600 rpm). Stir for 2 to 3 minutes. To do this, pour in the entire liquid component and add the powder while stirring.
- For a slurry consistency: stir approx. 0.2 l water (1 %) into the ready-mixed sealing slurry.
- INTRASIT Poly-C1 54Z can be applied by brush, trowel or spraying. Ensure that the waterproofing compound is applied evenly. Avoid trowel marks in the material surface.
- The maximum layer thickness per application is 5 mm.
- To achieve a homogeneous, even and non-porous sealing layer, we recommend applying the sealing slurry in 2 coats.
- Allow a drying time of 3 to 5 hours between coats, depending on weather conditions.

NOTES

Cleaning

- Clean tools immediately after use with water.



■ System products

- IMBERAL® Aquarol 10D
- IMBERAL® VE 89V
- INTRASIT® SM 54Z
- VESTEROL® TG 10D

■ To be observed

- Guidelines are DIN 18533 for structural waterproofing and DIN 1053 for masonry construction.
- 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.
- Protect from mechanical stress until sufficiently cured. Provide protective layers in accordance with DIN 18533.

■ Ingredients

- Liquid component: Polymer dispersion, additives

■ Occupational safety / Recommendation

- 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).

■ Producer

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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.