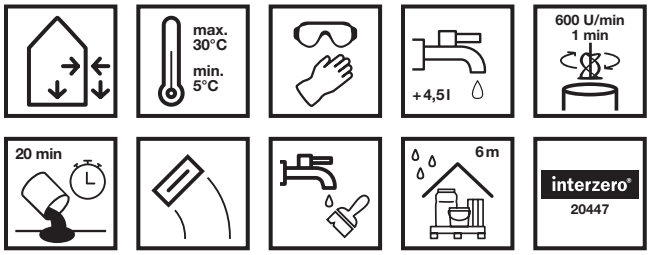
INTRASIT® RZ1 55HSP

Instant sealing mortar, fibre-reinforced, 3 – 50 mm



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

PRODUCT INFORMATION

Description

INTRASIT® RZ1 55HSP is a waterproof, fast-setting special mortar with significant advantages over conventional mortar systems thanks to the use of HSP technology.

Application

- for bonding, waterproofing and leveling on mineral substrates in layer thicknesses from 3 mm to 50 mm
- for subsequent sealing and restoration of damp and salt-damaged substrates on the positive and negative sides

Operational area

- Part of the instant renovation system for the permanent renovation of damaged building fabric
- for the production of waterproof and adhesive coverings
- as a fast-setting filling and tamping mortar
- as rear moisture protection and intermediate waterproofing against moisture acting from the rear in accordance with DIN 18533 in the area of external basement waterproofing made of PMBC and FPD

Place of use

- for outdoor and indoor areas

Properties

- capillary inactive due to dense matrix with stable micropore structure
- extremely low shrinkage, therefore crack-free even in thick layers
- improved chemical resistance and salt resistance
- very rapid strength development, even at low temperatures
- Self-crystallisation leads to high adhesive pull values on dry and moist mineral substrates
- Consistency can be adjusted from slurryable to stable and trowelable by adding the appropriate amount of water

Technical Data

Available container sizes	25 kg/sack
Colour	light beige
Processing temperature	+5°C to +30°C
bulk density	approx. 1,0 kg/l
Fresh mortar bulk density	1,5 kg/l
Dry bulk density	1,3 kg/l
Processing time	approx. 20 minutes [1)]
Start of solidification	40 minutes [1)]
End of solidification	50 minutes [1)]
Set mortar bulk density	approx. 1.3 kg/dm³
Flexural strength	approx. 5,5 N/mm²
Compressive strength	approx. 13 N/mm²
Adhesive tensile strength on concrete	approx. 1,1 N/mm² (primed with INTRASIT AQUAROL 10A)
Capillary water absorption	< 0,1 kg/(m²min0.5)
Water vapour permeability µ	40
Storage	dry, 6 months
Consumption	ca. 1,25 kg/m² pro mm Schichtdicke

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

SUBSTRATE

Properties/tests

- The substrate must be clean and sound.

Preparation

- Remove loose particles, dust and adhesion-depleting contaminants.
- Scrape out any joint mortar that is not sufficiently solid. Then apply INTRASIT Aquarol 10A to the entire surface with a trowel or brush and spread well into the substrate.

AREAS OF APPLICATION AND PROCESSING

Applying

- Sprinkle INTRASIT RZ1 55HSP into clean water and mix intensively for approx. 1 minute using a low-speed drill and stirring basket. The working consistency is achieved during the mixing process. Observe the water quantities.
- Recommended mixing ratio
  Fillable: 25 kg INTRASIT RZ1 55HSP: 4.5 l water
  Slurryable: 25 kg INTRASIT RZ1 55HSP: 5.0 l water
- INTRASIT RZ1 55HSP is applied in the layer thickness required for levelling after the primer has been applied until matt damp.
- For optimum adhesion, INTRASIT RZ1 55HSP should be applied as a slurry in the first coat. The mortar can then be applied fresh in fresh in the required layer thickness using a spatula and trowel.
- For better adhesion for subsequent coats, comb the plaster horizontally to create a 3 – 4 mm deep toothing. Alternatively, after a waiting time of approx. 45 minutes, an adhesive spray coat of INTRASIT RZ1 55HSP can be applied. This should be applied as a mesh (approx. 70 % coverage).

Drying / Follow-up work

- After approx. 1 hour, the INTRASIT RZ2 55HSP climatic plaster can be applied in the required layer thickness.

NOTES

Cleaning

- Clean all tools and equipment with water immediately after use.

System products

- INTRASIT® Aquarol 10A
- INTRASIT® RZ2 55HSP
- INTRASIT® Horizontal barriers
- INTRASIT® Waterproofing of buildings

To be observed

- Maintain a processing temperature of +5 °C to +30 °C.
- Protect the fresh plaster from drying out too quickly and from unfavorable weather conditions. Avoid draughts.
- Strong fluctuations in temperature and/or humidity during the curing/drying of the render system can lead to shrinkage cracks.
- High temperatures accelerate, low temperatures delay the setting process.

Ingredients

- Standard cements
- Mineral aggregates
- Hydrophobic agents
- Fibrefillers
- HS-Puzzolane

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 material residues can be disposed of according to EAK 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.