

Ruck-Zuck climate lightweight plaster , 10- 25 mm

With official control certificate



Characteristics

INTRASIT® RZ2 55HSP is a “breathable” naturally white climate ecological plaster with excellent processing characteristics. The HSP technology applied here provides significantly improved plaster characteristics.

INTRASIT® RZ2 55HSP is an innovative climate ecological plaster in the system with **INTRASIT® Aquarol 10A** and the **INTRASIT® RZ1 55HSP** waterproof mortar; it significantly reduces the capillary moisture transport on the wall side and ensures good climate regulation (anti-moulding effect) on the room side.

- High yield due to low fresh mortar density
- Quick setting and rapid hardening process
- Even, almost loss- and crack-free hardening
- High salt storing capacity due to micro pore structure
- Hampered capillary water absorption at high water vapour permeability
- Has a levelling effect on variations of the room climate
- Light surface ready for painting, no final rendering required

Use

INTRASIT® RZ2 55HSP for the restoration of humidity loaded wall surfaces indoor and outdoor.

Areas of application:

- Part of the Quick & Easy repair system for making a water-repellent, pore sealing lightweight plaster with salt-absorbing and climate-compensating properties.
- As a fiber-reinforced plinth plaster for indoor and outdoor application
- For low-weight leveling and repairing of masonry and cellular concrete

Specifications

Presentation	paper bag
Container size	15 kg
Delivery quantity	30 bags per pallet
Color	white
Powder density	0.6 kg/l
Fresh mortar density	0.8 kg/l
Dry mortar density	0.72 kg/l
Working temperature	+5 °C to +30 °C
Workable time ¹⁾	30 - 45 minutes
Start of setting ¹⁾	approx. 1.5 hours
Final setting ¹⁾	approx. 3.5 hours
Bending tensile strength after 28 days ¹⁾	2.1 N/mm ²
Compressive strength after 28 days ¹⁾	4.9 N/mm ²
Adhesive tensile strength on INTRASIT® RZ1 55HSP after 28 days ¹⁾	0.25 N/mm ²
Fire grading	A 1
Thermal conductivity	0.148 W/m ² K
Water vapor permeability μ	8
Water absorption	2.73 kg/m ²
Air void contents	32 %
Storage	dry, 6 months

Consumption

Quantity	approx. 6.5 kg/m ² /cm layer thickness
Spreading rate	15 kg will give approx. 21 l of fresh mortar

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

Preparation of the surface

Completely remove any remaining plaster/rendering, loose material and dust.

Remove old plaster/rendering in a radius of approx. 80-100 cm beyond the damaged area.

Rake out brittle masonry joints to a depth of approx. 2-3 cm, replace damaged bricks. Always prime substrates with **INTRASIT® Aquarol 10A** and subsequently apply a scratch coat made of **INTRASIT® RZ1 55HSP** covering the substrate in a net-like shape.

An adhesion-promoting layer of **INTRASIT® RZ1 55HSP** must be applied on all highly absorbent substrates.

INTRASIT® RZ1 55HSP, applied as scratch coat, improves the adhesion of **INTRASIT® RZ2 55HSP** in case of slurry applications.

Surfaces completely covered with **INTRASIT® RZ1 55HSP** must have a rough surface finish.

Alternatively, a scratch coat made of **INTRASIT® RZ1 55HSP** can be applied after a drying time of approx. 45 minutes (with a 70 % cover).

After a drying time of 1 hour, the surface can be plastered.

Application

1. Gradually pour **INTRASIT® RZ2 55HSP** into water and stir well for 2 - 3 minutes with a rotary agitator (revolving at 400-600 rpm), until the mixture is homogenous and free of lumps.
The processing consistency is attained during mixing. Observe the recommended amount of water.
Recommended mixing ratio:
15 kg **INTRASIT® RZ2 55HSP** : approx. 6 l water
2. Apply **INTRASIT® RZ2 55HSP** in a 10 - 25 mm thick layer (total plaster thickness), depending on the substrate and how seriously it is damaged by salt. We recommend to apply two layers of plaster on walls which are severely damaged by salt. Horizontally roughen the first layer of plaster. Apply the second layer of plaster after the first layer has dried completely.
3. Smooth the surface with a float to give a level, flush surface. Rub off with a humid red sponge float. Due to the fine-grain texture of the plaster, depending on the final treatment, ready-to-paint surfaces can be achieved.
4. After the plastered area has dried completely, **INTRASIT® Aquarol 10A** can be applied as primer before a final coat of **INTRASIT® SE-SF 70A**. An air layer thickness $s_d < 0,2$ m equivalent to diffusion must not be exceeded if other coatings are used.
5. Clean tools with water after use.

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INTRASIT® Aquarol 10A
INTRASIT® RZ1 55HSP
INTRASIT® SE-SF 70A

Important notes

- Observe a working temperature of +5 °C to +30 °C.
- Protect the fresh plaster/rendering from drying out too quickly and from unfavorable weather. Do not expose to draft and direct sunlight.
- Low temperatures will slow down and high temperatures will accelerate the setting process.
- If the surface is seriously damaged by salts, if necessary, apply several layers of **INTRASIT® RZ2 55HSP**.
- Hairline crack-bridging can occur. They are unproblematic, since they do not compromise the plaster functionality.
- Observe water quantity. Overdosage leads to higher shrinkage and may occur crack formations.

Ingredients

Standard cements, mineral aggregates, waterproofing agents, fiber fillers, lightweight filler material, air-entraining agents, HS pozzolana

Safety provisions/recommendations

Contains cement and reacts with humidity/water on alkaline way.

Please see the safety data sheet for more information regarding transport safety, storage and handling.

Disposal

The local waste removal regulations must be observed.

Manufacturer

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