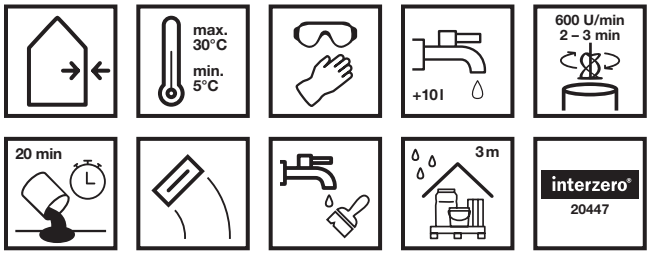
INTRASIT® SP-WTA Plus 54Z

Renovation plaster for indoors and outdoors



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

PRODUCT INFORMATION

Description

INTRASIT® SP-WTA Plus 54Z is a mineral, quickly processable restoration plaster mortar with a defined hardening process and high sulphate resistance. Classified as restoration plaster mortar R CS II according to DIN EN 998-1.

Application

- for single-layer plastering of damp and saline masonry
- as a pore-hydrophobic special plaster for the restoration of damp and saline masonry for plaster thicknesses up to 30 mm (single layer), multi-layer for medium or high salinity of the plaster base

Operational area

- all types of masonry

Place of use

- for outdoor and indoor areas

Properties

- corresponds to the WTA certificate for renovation plaster systems according to WTA data sheet 2-9
- quality-monitored
- mineral
- high salt absorbency and salt retention capacity
- good adhesion
- water-repellent
- vapour-permeable
- vapour diffusion permeable
- regulated setting and hardening properties
- uniform hardening irrespective of ambient temperature and the absorbency of the subsurface
- low-stress hardening characteristics
- can be used in a single layer
- feltable
- can be processed by machine and by hand

Technical Data

Available container sizes	25 kg/sack
Technical specification	EN 998-1
Product type	Renovation plastering mortar R
Category	CS II
Compressive strength	1.5 – 5.0 N/mm²
Set mortar bulk density	≤ 1,0 kg/dm³
Capillary water absorption	≥ 0,3 kg/m² after 24 h
Porosity	> 40 % by vol.
Water vapour permeability μ	< 12
Thermal conductivity $\lambda_{10,dry,mat.}$ for P=50%	≤ 0.25 W/(mK)
Thermal conductivity $\lambda_{10,dry,mat.}$ for P=90%	≤ 0,27 W/(mK)
Water requirement	approx. 9.5 l per 25 kg/sack
Processing temperature	+5°C to +30°C
Processing time	approx. 20 minutes
Storage	dry, 6 months
Consumption	approx. 11 kg/m² per 10 mm plaster thickness

SUBSTRATE

Properties/tests

- For assessing the plaster primer, VOB/C DIN 18350, Section 3, DIN EN 13914-1/13914-2 as well as the plaster standard DIN 18550-1/18550-2 should be observed.
- The substrate must be load-bearing, clean and free of adhesion-reducing residues.

Preparation

- Old plaster must be removed at least 80 to 100 cm above the visible or adjacent damaged zone up to the masonry.
- Crumbly masonry joints are to be scraped out approx. 2 - 3 cm deep.
- Damaged stones must be replaced.
- Non-load-bearing coatings must be completely removed.
- Clean masonry thoroughly and remove dust.
- Highly absorbent substrates should be wetted in good time, days before if need be.
- To improve adhesion, depending on the condition of the substrate, a wetting pre-spray (approx. 50 – 60% coverage) with INTRASIT VS-WTA plus should be applied in accordance with the WTA.
- Severely uneven substrates must be leveled in advance with INTRASIT GP-WTA Plus 54Z restoration basecoat plaster. The thickness of the leveling layer must be at least 10 mm.

AREAS OF APPLICATION AND PROCESSING

Applying

- Can be applied by hand and with standard plastering machines.
- When using plastering machines, no additional equipment (e.g. additional mixer or air-entraining screw jacket) needs to be used.
- When using a machine: Adjust the water supply to a workable consistency.
- Work interruptions should be limited to a maximum of 15 to 20 minutes.
- When mixing manually, first place the quantity of water specified in the technical data in a clean container and then sprinkle in dry mortar. Use clean tap water.
- Mix the material with a suitable agitator until homogeneous and lump-free, allow briefly to rest and then stir again, adding more water if necessary, and adjust the consistency to a workable consistency.
- Free-fall mixers are not suitable.
- Do not mix with other products and/or foreign substances.
- Depending on the substrate and salt load, apply the restoration plaster to a total plaster thickness of 20 – 30 mm.
- We recommend preparing the material to a thickness of approx. 10 mm, allowing it to set briefly and then applying it up to the total plaster thickness.
- Then remove the fresh plaster surface with a suitable tool, e.g. a trowel, plumb and level.
- Thoroughly roughen the last layer with a suitable tool, e.g. a grid scraper, once the surface is sufficiently hard.
- In the case of multi-layer application, observe intermediate standing times of 1 day per mm application thickness.
- Depending on the substrate and ambient temperature, the plaster surface can be felted, rubbed, washed or freely textured after approx. 2 hours, depending on the desired appearance.

NOTES

Cleaning

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

System products

- INTRASIT® VS-WTA 54Z
- INTRASIT® GP-WTA Plus 54Z

To be observed

- Maintain a processing temperature of +5 °C to +30 °C.
- Mortar that has already hardened cannot be diluted with additional water, re-mixed and further processed.
- High temperatures accelerate, low temperatures delay the setting process.
- In unfavorable weather conditions (e.g. driving rain, strong sun and/or wind, frost), suitable protective measures must be taken, especially for freshly coated surfaces.
- The plaster surface should be kept damp for at least 3 days to prevent water from being removed too quickly at high temperatures.
- For medium to high salt or moisture loads, a two-layer finish with INTRASIT Restoration Plaster WTA is required in accordance with the restoration plaster recommendation.
- Carefully cover adjacent surfaces and components (e.g. windows, window sills, etc.). Wash off any soiling immediately with water.
- Construction waste close to the renovation site must be removed daily to prevent salt migration.
- The diffusion-equivalent air layer thickness of sd < 0.2 m of each individual subsequent layer must not be exceeded.

Ingredients

- White cement with high sulphate-resistance according to DIN EN 197-1
- graded stone aggregates in accordance with DIN 13139
- mineral lightweight aggregates according to DIN EN 13055
- additives for regulating and improving workability and product properties

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. Dispose of hardened product in accordance with the local regulations. Do not allow to enter the sewer system. Dispose of the hardened product in the same way as concrete waste and slurries. Waste code according to the Ordinance on the European Waste Catalogue depending on the origin: 17 01 01 (concrete) or 10 13 14 (concretewaste and concrete slurries).

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.