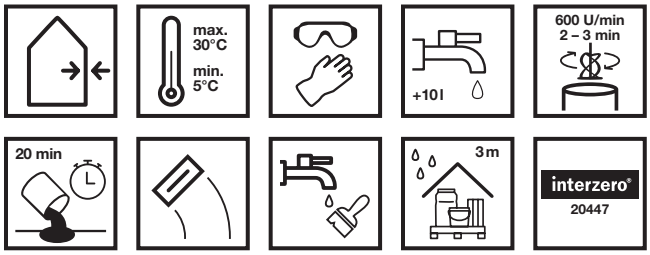
INTRASIT® GP-WTA Plus 54Z

Base plaster for the compensation of unevenness



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

PRODUCT INFORMATION

Description

INTRASIT® GP-WTA Plus 54Z is a pore-hydrophobic restoration plaster mortar with high sulphate resistance. Classified as restoration plaster mortar R CS II according to DIN EN 998-1.

Application

- for leveling coarse unevenness of the plaster base and as a salt reservoir in case of high substrate salinity
- as a restoration leveling plaster under INTRASIT restoration plasters for damp masonry with medium to high salt loads

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 workability
- good adhesion
- vapour diffusion permeable
- can be processed by machine and by hand

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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	≤ 1,2 kg/dm³
Capillary water absorption	> 1,0 kg/m² after 24 h
Porosity	> 45 % by vol.
Water vapour permeability μ	15/35 (table value EN 1745)
Thermal conductivity $\lambda_{10,dry,mat.}$ for P=50%	≤ 0.33 W/(mK)
Thermal conductivity $\lambda_{10,dry,mat.}$ for P=90%	≤ 0,36 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. 5 kg/m² per 5 mm plaster thickness

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

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.

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.
- Apply one or more layers of material to the prepared plaster base.
- The recommended plaster thickness in one layer is approx. 10 to 30 mm.
- The minimum layer thickness of 10 mm specified in the WTA data sheet must be adhered to as a pore base render.
- Subsequently, smooth the fresh plaster surface with a suitable tool, e.g. a carting scraper, so that it is 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 of application thickness.

NOTES

Cleaning

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

System products

- INTRASIT® VS-WTA 54Z
- INTRASIT® SP-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.
- Further coating with INTRASIT restoration plasters in accordance with WTA 2-9. Please refer to the technical data sheet of the selected product or our project-related restoration proposal.
- 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

- 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).

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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.