



CODE 1.627

silrest intonachino 1mm

Silicate mineral plaster

GENERAL PROPERTIES

SILREST INTONACHINO is a coating for interiors/exterior based on potassium silicate in aqueous solution, formulated in compliance with the VOB/C DIN 18363 2.4.6. regulation.

After application, the contained soluble silicates react with the carbon dioxide in the air originating colloidal hydrated silica, which has remarkable fixative powers. The silica consolidates the support by reacting with the plaster's calcium salts and producing silicate calcium, a mineral salt with chemical/physical characteristics similar to the ones of construction materials.

The film free mineral nature offers to SILREST INTONACHINO optimum breathability and an excellent bond on mineral conglomerates without causing flaking or detachment.

Its inorganic nature offers a low thermoplasticity & consequent reduced dirt pick up.

SILREST INTONACHINO is a fibre reinforced coating which features an outstanding mechanical resistance in comparison to traditional silicate coatings.

INSTRUCTIONS

Substrate preparation:

Bare walls: ensure the substrate has weathered for at least 28 days in order to avoid an excessive superficial calcium alkalinity: which would impede the silicate from penetrating in depth therefore forming a crust destined to detach.

Remove dust, filth and any unsound parts. Ensure the wall is perfectly dry & apply a layer of silicate based sealer ISOREST 0.076. diluted from 100 to 200% in water volume according to substrate absorption.

Allow 24 hrs & apply SILREST INTONACHINO 1 mm.

Walls painted with old lime paintwork: remove any unsound paintwork & efflorescence. Clean thoroughly & proceed as per bare surfaces.

Walls with emulsion, non mineral & textured paintwork: as the potassium silicate present in the product must react with the plaster, the same must be absolutely bare.

Any traces of previous finishes must be removed using the most appropriate means (sanding, scraping etc.) Clean thoroughly & proceed as per bare surfaces.

Application:

- SILREST INTONACHINO 1 mm is ready for use and does not require further dilution. Stir well until a homogeneous mixture is obtained and lay with a steel float. Before SILREST INTONACHINO begins to dry, smooth the surface with a plastic or sponge float.
- Do not apply SILREST INTONACHINO 1mm on walls exposed to direct sunlight or with ambience temperature below + 8°C.
- Use protective eye wear during application After application outdoor surfaces must be protected against rain for at least 48 hrs. Wash equipment with water immediately after use.
- Mask any parts (windows, ceramic pavements, casings etc.) which are not to be treated.
- The product has a 2 year stability if stored in the original packaging at a temperature between + 5°C & 30°C.
- Application on extensive surfaces should be carried out “wet on wet” in order to prevent shading.
- Walls with efflorescence or subject to rising damp must be restored before application in order to guarantee adhesion.
- When colour products from different batches are used, it is advisable to mix the same in order to avoid differences in shades.
- Use products in compliance with current Hygiene & Safety Regulations. Dispose of spent material/containers according to the same.
- Refer to the PSDS for further details.
- SIILREST INTONACHINO 1 mm is compatible with the 16COLOURS tinting systems.

TECHNICAL PROPERTIES

| | | | |
|-------------------------------------------|-------------------|---------------------------|---------------------------------------------|
| NATURE OF BINDER | | | Inorganic |
| COLOUR | | | White & tinting system hues |
| MASS VOLUME | | | 1700-1780 g/l |
| DYNAMIC VISCOSITY | | | 140.000 ± 180.000 cP |
| UV RESISTANCE | | | Sup. 3rd grade Grey scale |
| ALKALI RESISTANCE | | | No structural/chromatic variation |
| DRYING AT 20°C | TOUCH DRY | | 4 hrs |
| | THROUGH DRYING | | 48 hrs |
| PERMEABILITY (WATER VAPOUR) | EN ISO 7783-1 & 2 | S _d | 0,041 m |
| | | Class | V₁ (high) |
| CAPILLARY ABSORPTION & WATER PERMEABILITY | EN1062-3 | W | 0,351 kg/m² √t |
| | | Class | W₂ (average) |
| ADHESION FOR DIRECT TRACTION | EN 1542 | RESULT | Complies (adhesion ≥ 0,3 Mpa) |
| DURABILITY | EN 13687-3 | RESULT | Complies (adhesion ≥ 0,3 Mpa) |
| THERMAL CONDUCTIVITY | EN 1745 | λ _{10DRY} [W/MK] | 0,809 |
| FLASH POINT | EN 13501-1 | | Class C |
| HAZARDOUS SUBSTANCES | | RESULT | Complies |

In compliance with the UNI EN 15824 CE Marking

YIELD

If applied correctly (without spilling) SILREST INTONACHINO 1 mm offers a yield of 0,5 m²/kg once perfectly dry.

SPECIFICATIONS**SILICATE MINERAL PLASTER**

Trowel (plastic or steel) application - followed by smoothing with a plastic or sponge float - on pretreated surfaces of a pigmented plaster based on potassium silicate in aqueous solution, inert mineral fillers of various granulometries like SILREST INTONACHIO for a 1 mm thickness & 1,9 kg/m² consumption.

€/m².

This data herein were correct at the time of Quality Control & refer to standardized environmental conditions. The same are to be considered as a guide.
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