



ard f.lli raccanello s.p.a. industria vernici e smalti

TECHNICAL SHEET **270**

CODE 0.076

Isorest

silicate-based impregnating sealer

GENERAL PROPERTIES

When painting interior and exterior walls, correct surface preparation is essential if good aesthetics, durability & inexpensive application are to be guaranteed.

These properties are even more important when dealing with mineral paints.

This product's fixative, consolidating & sealing properties guarantee an optimum preparation of both old & new plaster for treatment (without altering the mineral characteristics) with the SILREST line of products .

Isorest is also used as a thinner with the Silrest series.

INSTRUCTIONS

Substrate preparation:

- Bare walls: 28 days weathering are required for neutralization following the carbonation process. Excessive surface lime alkalinity would prevent the silicate from penetrating deep into the substrate, resulting in whitening.
Clean the surface thoroughly, removing any traces of dust, filth & unsound parts.
Ensure the substrate has dried.

Application:

- Chalky surfaces: apply a coat of silicate based sealer ISOREST 0.076. thinning at 100 to 200% in water volume according to the substrate's absorption. Allow at least 24 hours before applying the finish.
- Walls with old limewash: remove any unsound paintwork and any efflorescence. Clean thoroughly & proceed as per chalky surfaces.
- Bare chalk free walls: if surfaces are compact and even, we suggest applying ISOREST mixed in the ratio 1:1 by volume with SILREST PITTURA AI SILICATI. Apart from consolidating the substrate, a coloured undercoat is obtained which facilitates the application of the finishing coats.
- Painted walls (latex/textured paints or other mineral free paints): as the product's potassium silicate must react with the plaster, the wall must be stripped accurately using the most suitable method (blast cleaning, scraping etc.). Clean thoroughly and proceed as per chalky surfaces.

- Do not apply ISOREST on walls exposed to sunlight or with an ambient temperature below + 8°C. Wear protective eye wear during application.
- After application, exterior walls must be protected against driving rain for at least 24 hours.
- Wash tools and equipment immediately after use with water.
- Mask any parts not to be treated with ISOREST (window & door casings, window panes, tiled floors etc.).
- The product has a shelf life of about 24 months if stored in the original container at a temperature range of +8°C to +30°C.

Refer to the PSDS for further details.

TECHNICAL PROPERTIES

SPECIFIC WEIGHT	1050 ± 20 g/l
NATURE OF BINDER	Mineral
% THINNING BY VOLUME	100-200%
DRYING AT 20 °C	THROUGH DRYING 24 hours

YIELD

Coverage varies according to the substrate's absorption; it's usually about 10-25 m²/l.

TENDER SPECIFICATION ITEM

INSULATING SILICATE-BASED IMPREGNATING AGENT
 Brush application on pretreated surfaces of a sealer based on potassium silicate in aqueous dispersion (designed to preserve the mineral features of the surfaces whilst creating the most suitable conditions of the substrate) type ISOREST with a minimum consumption of 0.07 l/m².

€/m²

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