



CODE 0.569.1010

## **silrest fill**

Silicate filler paint

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### **GENERAL PROPERTIES**

SILREST FILL is a paint based on potassium silicate in aqueous solution, inorganic pigments and mineral fillers, formulated in compliance with the VOB/C DIN 18363: 2019-09 2.4.1. 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 FILL optimum breathability & an excellent bond on lime plaster, cement mortar renders & civil plastering without flaking or detachment.

SILREST FILL is not thermoplastic so a low-dirt pick up is guaranteed together with a mould and bacterial resistance thanks to its inorganic nature.

A particular blend of inert fillers confers to product an optimum filling power which levels and uniforms rough surfaces without altering the hygrothermal balance. Said features in conjunction with the aesthetically and chromatic appealing effects (very similar to the antique coloured plasters or lime paints ) make SILREST FILL an optimum product for the refurbishing of listed buildings & buildings of architectural interest.

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### **INSTRUCTIONS**

#### **Substrate preparation:**

- Bare walls: ensure the substrate has weathered for at least 28 days in order to avoid an excessive superficial calcic 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 SILREST FILL thinned at 60-70% with ISOREST.  
Allow 24 hrs; apply the second layer of SILREST thinned at 30-40% with ISOREST.
- Chalky walls: apply a layer of ISOREST 0.076. diluted at 100-200% in water volume according to the absorption. Allow at least 24 hrs & apply a layer of SILREST FILL.
- Walls with old lime paintwork: remove any unsound paintwork & efflorescence. Clean thoroughly & proceed as per chalky surfaces.
- Walls painted with emulsion paints, non mineral paints & textured coatings: 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.) However, said process can be avoided by using the intermediate filler SILREST INTERMEDIO 095.1010.

**Application:**

- Brush application: dilute at 60-70% in volume with ISOREST. Allow 24 hrs before applying the last layer of SILREST FILL thinned at 30-40% in volume with ISOREST.
- Roller application: dilute at 20-25% in volume with ISOREST.
- Do not apply under direct sunlight or at ambient temperature below + 8°C.. Use protective eye wear during application.
- After application, exterior walls must be protected against driving rain until perfectly dry (usually after 48 hours at 20°C).
- Wash equipment immediately after use with water.
- Mask any parts (windows, ceramic pavements, casings etc.) which are not to be treated.
- When different batches are used, it is advisable to mix the same in order to avoid differences in shades.
- The product has a 24 month stability if stored in the original packaging at a temperature between + 8°C & + 30°C.
- Use products in compliance with current Hygiene & Safety Regulations. Dispose of spent material/containers according to the same.
- SILREST is compatible with the 16COLOURS tinting systems.
- Refer to the PSDS for further details.

**TECHNICAL DATA**

SPECIFIC WEIGHT	<b>1400 ± 50 g/l</b>	
VISCOSITY AT 20°C	<b>15.000 ± 3000 cP</b>	
DRYING AT 20°C	TOUCH DRY	<b>2 hrs</b>
	THROUGH DRYING	<b>24 hrs</b>
ASPECT	<b>Flat</b>	

**YIELD**

A 2 layer painting cycle (on smooth substrates with mean absorbance) implies a yield of 3,8 m<sup>2</sup>/l We recommend testing on the specific substrate.

**SPECIFICATIONS**

**SILICATE BASED FILLER PAINT**

2 layer application on pretreated surfaces of paint based on potassium silicate in aqueous solution, light-fast outdoor resistant pigments & inert fillers - SILREST FILL BIANCO - with a minimum consumption of 0,25 l/m<sup>2</sup>.

€/m<sup>2</sup>.

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.  
Revision 2026/02



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