



ard f.lli raccanello s.p.a.

industria vernici e smalti

TECHNICAL SHEET **212**

CODE 0.552

siliard fill

Siloxanic algae resistant filling exterior paint

GENERAL PROPERTIES

SILIARD FILL is formulated using advanced technologies based on nanoparticles & siliceous binders in aqueous dispersion. These features lend a remarkable water vapour permeability & low water absorption.

SILIARD FILL does not “film”, it produces a porous & transpirant matt filler coat which adheres perfectly to both mineral substrates & old mineral/synthetic paintwork. It offers an outstanding resistance to weather extremes, low dirt pick-up & inhibits the formation of micro-organisms such as mould & algae.

SILIARD FILL is specific for the protection & decoration of listed facades, external plaster, transpiring restoration plaster & porous materials in general which require optimum protection and low water vapour diffusion resistance.

INSTRUCTIONS

Substrate preparation:

- Bare walls with light cement mortar plaster: ensure the substrate has weathered for at least 28 days. Clean thoroughly, removing dust/ filth & unsound paintwork. If necessary stucco with a suitable restoration mortar. Ensure the wall is perfectly dry and apply a coat of SILIARD PRIMER W 0.077. thinned at 50-100% in water volume. Apply at least 200 ml/m² (thinned); allow 24 hours & apply SILIARD FILL.
- Chalky substrates: treat with a layer of SILIARD PRIMER 0.082. (ready siloxanic consolidating impregnating agent). Apply at least 200 ml/m² (thinned); allow 24 hours and apply SILIARD FILL.
- Walls with mineral lime wash or silicate-based paintwork: remove any unsound paintwork & efflorescence. Clean thoroughly, removing dust & filth. Ensure the substrate is dry and apply a layer of SILIARD PRIMER S 0.082. (ready siloxanic consolidating impregnating agent). Allow at least 24 hours & apply SILIARD FILL.
- Walls with synthetic paintwork: remove any unsound paintwork. Use SILIARD PRIMER S 0.078. to treat bare plaster & any repair areas. Allow 24 hrs & apply SILIARD FILL.
- Walls with efflorescence or subject to rising damp must be restored before application in order to guarantee adherence.
- We recommend pretreating mould, algae or moss with ARDSAN RISANANTE MURALE 0.916.

Application:

Apply SILIARD FILL as follows:

- Brush: stir well, thin at 20-25% in water volume & apply maintaining about 100 ml/m² per layer. Allow at least 12 hours and apply the second layer.

- Wool or synthetic fibre roller: thin at 15-20% in water volume and apply the product in one go, wet on wet. Allow at least 12 hours and apply the second coat.
- Do not apply SILIARD FILL at ambient or substrate temperature below + 5°C or above + 30°C.
- After application, exterior walls must be protected against rain, frost, fog and dew for at least 48 hours. The drying times indicated in the Technical Properties refer to a temperature of + 20°C & 65% R.H. Consequently, drying may take much longer when temperatures are lower and humidity is higher. This, in turn, lengthens recoating/protection times.
- When different batches are used, we recommend mixing the products thoroughly in order to avoid differences in shades.
- SILIARD FILL is compatible with the 16 COLOURS tinting systems.
- Store in cool, frost free premises.
- Wash equipment immediately after use with water.
- Use in compliance with current Health & Safety Regulations. Dispose of spent material/containers according to the same.
- Refer to the PSDS for further information.

TECHNICAL PROPERTIES

| | | |
|-----------------------------|----------------|-------------------------------------|
| SPECIFIC WEIGHT | | 1520 ± 50 g/l |
| VISCOSITY AT 20°C | | 15.000 ± 2.000 cP |
| NATURE OF BINDER | | acrylic-siloxanic |
| DRYING AT 20 °C | TOUCH DRYING | 1 hr |
| | THROUGH DRYING | 48 hrs |
| COATABILITY | | min. 12 hours |
| LIQUID WATER TRANSMISSION | UNI EN 1062-3 | w= 0,0.3 kg/m² √t |
| LIQUID WATER TRANSMISSION | UNI EN 1062-1 | Class W3 |
| WATER VAPOUR PERMEABILITY) | UNI EN 7783-2 | Sd = 0,02 m |
| WATER VAPOUR PERMEABILITY | UNI EN 1062-1 | Class V1 |

YIELD

A two-coat painting cycle implies a coverage of about 5 m²/l. It is best to determine the same by testing on the specific substrate.

TENDER SPECIFICATION ITEM

SILOXANIC ANTI-ALGAE EXTERIOR PAINT

Application on pretreated mural surfaces of two layers of paint for exteriors based on acrylic-siloxanic resins in aqueous dispersion & lightfast colour pigments with capillary water absorption in compliance with the EN 1062-3 regulation $W \leq 0,1 \text{ Kg/m}^2 \cdot \text{h}^{0,5}$, water vapour permeability in compliance with EN ISO 7783-2 $S_D \leq 0,14$ metres, type SILIARD FILL, with a minimum consumption of 0.20 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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