



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

TECHNICAL SHEET **214**

CODE 1.641

siliard intonachino 1 mm

Siloxanic algae resistant plaster

GENERAL PROPERTIES

SILIARD INTONACHINO is formulated using advanced technologies based on nanoparticles and siliceous binders in aqueous dispersion.

SILIARD INTONACHINO lends a remarkable water vapour permeability, water-repellence & low water absorption.

SILIARD INTONACHINO produces a porous/transpiring matt coat (film free) which adheres perfectly to both mineral substrates & old mineral/synthetic paintwork.

SILIARD INTONACHINO offers an outstanding resistance to weather extremes, low dirt pick-up & inhibits the formation of micro-organisms such as mould & algae.

SILIARD INTONACHINO is specific for the protection & decoration of listed facades, external plaster, transpiring restoration plaster & porous materials in general which require an optimum protection & 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 at least 24 hours & apply SILIARD INTONACHINO.
- Chalky substrates: apply a layer of SILIARD PRIMER (ready siloxanic consolidating impregnating agent). Apply at least 200 ml/m² (thinned). Allow 24 hours and apply SILIARD INTONACHINO.
- Walls with mineral lime wash or silicate based paintwork: remove any unsound paintwork & efflorescence. Clean thoroughly, remove 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 INTONACHINO.
- Walls with synthetic paintwork: remove any unsound paintwork. Use SILIARD PRIMER to treat bare plaster & repair areas. Allow 24 hrs & apply SILIARD INTONACHINO.

- 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.

Application:

Apply SILIARD INTONACHINO as follows:

- SILIARD INTONACHINO is ready for use & does not require thinning. Stir thoroughly until homogenous and apply one layer -only- using a stainless trowel. Before the product begins to dry even the surface using a plastic or sponge float.
- Do not apply SILIARD INTONACHINO at ambient or substrate temperature below + 5°C or above + 30°C or R.H. above 75%. Avoid applying during damp/cold periods, under direct sunlight & when extremely windy.
- After application, exterior walls must be protected against rain, frost, fog & 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 INTONACHINO 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

NATURE OF BINDER	Acryl-siloxanic polymers		
COLOUR	White & tinting system hues		
MASS VOLUME	1700-1790 g/l		
DYNAMIC VISCOSITY	140.000 ± 180.000 cP		
UV RESISTANCE	Sup. 3 rd 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	Sd	0,157 m
		Class	V ₂ (average)
CAPILLARY ABSORPTION & WATER PERMEABILITY	EN1062-3	W	0,053 kg/m ² √t
		Class	W ₃ (low)
ADHERENCE 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]	0,899
FLASH POINT	EN 13501-1		Class C
HAZARDOUS SUBSTANCES		RESULT	Complies

In compliance with the UNI EN 15824 CE Marking

YIELD

Once dry, SILIARD INTONACHINO, produces a 1mm thick coat, If applied correctly, without spilling, said coat implies a yield of 0,55 m²/kg.

**TENDER
SPECIFICATION ITEM****SILOXANIC ALGAE RESISTANT PLASTER**

Application on pretreated surfaces of a smooth pigmented rustic coating based on polysiloxanic copolymers in aqueous dispersion & selected inert fillers type SILIARD INTONACHINO with a min consumption of 1,8 kg/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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ard · f.lli raccanello s.p.a. · industria vernici e smalti

35129 PADOVA – Zona Ind.le Nord 1^a Strada, 13 – Tel. 049.8060000 (5 linee)
Fax 049.773749 – www.ard-raccanello.it - E-mail: ardspa@ard-raccanello.it