



ard f.lli raccanello s.p.a.

industria vernici e smalti

TECHNICAL SHEET 79

CODE 1.638.

intonaclima 1mm

Algae resistant acryl-siloxane rustic coating

GENERAL PROPERTIES

INTONACLIMA 1 mm is an acryl-siloxane coating for exteriors.

The product lends a remarkable resistance to atmospheric agents & alkali, optimum adherence, elasticity, applicability, working & low dirt pick-up. The light-fast pigments impede discolouration even on walls exposed to radiation & weather extremes. It also contains specific additives which inhibit algae & mould growth.

INTONACLIMA 1 mm is ideal for the protection of urban buildings in two coat plaster work, cement mortar renders (finished or not), gypsum plaster for interiors & smooth compact prefabricated concrete structures.

INTONACLIMA 1,mm is specific for the finishing of ETICS.

INSTRUCTIONS

Substrate preparation:

- Bare surfaces: ensure the substrate has weathered for at least 28 days. Clean thoroughly & remove any unsound paintwork. Ensure the wall is perfectly dry & apply a hand of ISOLEX W, ISOLEX or ARDFIX suitably diluted (1 part of product in 8 parts of water). Allow 12 & 4 hrs respectively, even any major imperfections (holes, cracks etc) with ARDPLAN AS or ARDPLAN BS. Apply a layer of RASANTE A PENNELLO on smooth &/or poor absorbing surfaces in order to achieve the desired result. Allow at least 6 hrs and apply INTONACLIMA 1mm.
- Unsound painted surfaces: remove any unsound paintwork and efflorescence. Treat mould with ARDSAN RISANANTE MURALE. Clean thoroughly, ensure the wall is perfectly dry and fix the surface with a hand of ISOLEX W or ISOLEX. Allow 12 hrs, stucco any major imperfections (holes, cracks etc.) with ARDPLAN AS or ARDPLAN BS and apply INTONACLIMA 1mm.
- Surfaces with unsound plastic coatings/embossed plaster: remove any unsound paintwork & efflorescence. Treat mould with ARDSAN RISANANTE MURALE. Clean thoroughly, ensure the wall is perfectly dry and seal the whole surface with a layer of ISOLEX W or ISOLEX. Allow 12 hrs, accurately level the whole surface and apply INTONACLIMA 1mm.

- When finishing products with a limited covering power are employed we suggest using PRIMER RIEMPITIVO COPRENTE (refer to the formulary for shades).

Application:

- INTONACLIMA 1 mm is ready for use and does not require thinning. Stir well until homogeneous & apply a single coat using a steel float. Before the product “films”, use a trowel to smooth the surface.
- Do not apply at ambient/substrate temperatures below + 5°C or above 35°C & R H above 75%. Avoid applying during cold & damp periods, in direct sunlight or strong wind.
- After application, exterior surfaces must be protected from rain until perfectly dry, usually after 48 hrs at 20° C.
- Wash equipment immediately after use with water.
- Walls with efflorescence or subject to rising damp must be restored before application in order to guarantee adherence.
- When different batches are used, we recommend mixing the products accurately to avoid differences in shades.
- When applying on extensive surfaces apply “wet-on-wet” to avoid shadowing.
- Store in cool, frost free premises.
- Use in compliance with the current Health & Safety regulations. Dispose of spent material/containers according to the same.
- INTONACLIMA 1 mm is compatible with the 16COLOURS & WIZARD tinting systems.
- Refer to the PSDS for further details.

TECHNICAL PROPERTIES

NATURE OF BINDER	Acryl siloxanic polymers		
COLOUR	White & tinting system hues		
MASS VOLUME	1700 - 1780 g/l		
DYNAMIC VISCOSITY	150.000 ± 200.000 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	S _d	0,349 m
		Class	V ₂ (average)
CAPILLARY ABSORPTION & WATER PERMEABILITY	EN1062-3	W	0,094 kg/m ² √t
		Class	W ₃ (low)
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 ₁₀ DRY [W/MK]	1,029
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 INTONACLIMA 1 mm produces, once dry, a 1 mm thick coating with an approx yield of 0,55 m²/kg. Testing is recommended to determine the same.

**TENDER
SPECIFICATION ITEM**

ALGAE RESISTANT ACRYLIC-SILOXANE RUSTIC COATING

Float application on pretreated surfaces of rustic pigmented coating based on binders in aqueous dispersion, mineral chargers & outdoor resistant light-fast coloured pigments type INTONACLIMA 1 mm - 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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