



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

TECHNICAL SHEET 90

CODE 1.623.

## intonaclima 0,5 mm

Algae resistant acryl-siloxane rustic coating

### GENERAL PROPERTIES

INTONACLIMA 0,5 mm is an acryl-siloxanic coating for walls.

The product lends a remarkable resistance to atmospheric agents & alkali, optimum adherence, elasticity, applicability & working. The particular granulometric curve of the inert fillers offers a finish similar to two-coat plaster work as well as a low dirt pick-up. The lightfast pigments impede discolouration even on walls exposed to radiation & weather extremes. It also contains specific additives which inhibit algae & mould growth.

INTONACLIMA 0,5 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.

### 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 ready ISOLEX W, ISOLEX or a layer of ARDFIX suitably diluted (1 part of product in 8 parts of water). Allow 12 & 4 hrs respectively, even any imperfections (holes, cracks etc) with ARDPLAN AS or ARDPLAN BS and apply INTONACLIMA 0,5 mm.
- 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 the large imperfections (holes, cracks etc.) with ARDPLAN AS or ARDPLAN BS & apply INTONACLIMA 0,5 mm.
- Surfaces with unsound plastic coatings/embossed plaster: remove any unsound paintwork & efflorescence. Treat mould with ARDSAN RISANANTE MURALE. Clean thoroughly and seal the whole surface with a layer of ISOLEX W or ISOLEX. Allow 12 hrs, accurately level the substrate and apply INTONACLIMA 0,5 mm.
- When finishing products with a limited covering power are employed we suggest using PRIMER RIEMPITIVO COPRENTE 0.075 (refer to the formulary for shades).

#### Application:

- INTONACLIMA 0,5 mm is ready for use and does not require thinning. Stir well until uniform & apply a single coat using a steel float. Allow 12 hrs and apply the second coat using the same method.

Before the product “films”, use a plastic/sponge trowel to smooth the surface and obtain the desired effect.

- Do not apply at ambient/substrate temperatures below + 5°C or above 35°C. Avoid applying in direct sunlight.
- 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 colour.
- When applying on extensive surfaces apply “wet-on-wet” to avoid shadowing.
- Store in cool, frost proof premises.
- Use in compliance with the current Health & Safety regulations. Dispose of spent material/containers according to the same.
- INTONACLIMA 0,5 mm can be tinted with the 16COLOURS tinting system pastes.
- Refer to the PSDS for further details.

## TECHNICAL PROPERTIES

NATURE OF BINDER	<b>Acryl siloxanic polymers</b>		
COLOUR	<b>Tinting system hues</b>		
MASS VOLUME	<b>1700 - 1790 g/l</b>		
DYNAMIC VISCOSITY	<b>160.000 ± 220.000 cP</b>		
UV RESISTANCE	<b>Sup. 3<sup>rd</sup> grade Grey scale</b>		
ALKALI RESISTANCE	<b>No structural/chromatic variation</b>		
DRYING AT 20°C	TOUCH DRY		<b>4 hrs</b>
	THROUGH DRYING		<b>48 hrs</b>
PERMEABILITY (WATER VAPOUR)	EN ISO 7783-1 & 2	S <sub>d</sub>	<b>0,375 m</b>
		Class	<b>V<sub>2</sub> (average)</b>
CAPILLARY ABSORPTION & WATER PERMEABILITY	EN1062-3	W	<b>0,048 kg/m<sup>2</sup> √t</b>
		Class	<b>W<sub>3</sub> (low)</b>
ADHESION FOR DIRECT TRACTION	EN 1542	RESULT	<b>Complies (adhesion ≥ 0,3 Mpa)</b>
DURABILITY	EN 13687-3	RESULT	<b>Complies (adhesion ≥ 0,3 Mpa)</b>
THERMAL CONDUCTIVITY	EN 1745	λ10DRY [W/MK]	<b>1,013</b>
FLASH POINT	EN 13501-1		<b>Class C</b>
HAZARDOUS SUBSTANCES		RESULT	<b>Complies</b>

*In compliance with the UNI EN 15824 CE Marking*

## YIELD

Coverage varies from 0,5 to 1m<sup>2</sup>/kg according to the conditions of the substrate & desired thickness.

## 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 pigments type INTONACLIMA 0,5 mm - with a consumption varying from 1 to 2 kg/m<sup>2</sup> according to the conditions of the substrate & desired thickness.

€/m<sup>2</sup>

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

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 <sup>rd</sup> 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 <sub>d</sub>	0,349 m
		Class	V <sub>2</sub> (average)
CAPILLARY ABSORPTION & WATER PERMEABILITY	EN1062-3	w	0,094 kg/m <sup>2</sup> √t
		Class	W <sub>3</sub> (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	λ10DRY [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 m<sup>2</sup>/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/m<sup>2</sup>.

€/m<sup>2</sup>

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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.  
*Revision 2015/06*



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

TECHNICAL SHEET **78**

CODE 1.635.

## **intonaclima 1,2 mm**

Algae resistant acryl-siloxane rustic coating

### GENERAL PROPERTIES

INTONACLIMA 1,2 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 lightfast pigments impede discolouration even on walls exposed to radiation & weather extremes. It also contains specific additives which inhibit algae & mould growth.

INTONACLIMA 1,2 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 1,2 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 of ARDFIX suitably diluted (1 part of product in 8 parts of water). Allow 12 & 4 hrs respectively, even any 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 1,2 mm.
- 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 the large imperfections (holes, cracks etc.) with ARDPLAN AS or ARDPLAN BS & apply INTONACLIMA 1,2 mm.
- 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 1,2 mm.
- When finishing products with limited covering power are employed we suggest using PRIMER RIEMPITIVO COPRENTE 0.075 (refer to the formulary for shades).

### Application:

- INTONA CLIMA 1,2 mm is ready for use and does not require thinning. Stir well until homogeneous & apply a single coat using a steel or plastic 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 proof premises.
- Use in compliance with the current Health & Safety regulations. Dispose of spent material/containers according to the same.
- INTONA CLIMA 1,2 mm is compatible with the 16COLOURS tinting systems.
- Refer to the PSDS for further details.

### TECHNICAL PROPERTIES

NATURE OF BINDER	<b>Acryl siloxanic polymers</b>		
COLOUR	<b>White &amp; tinting system hues</b>		
MASS VOLUME	<b>1700 - 1800 g/l</b>		
DYNAMIC VISCOSITY	<b>150.000 ± 200.000 cP</b>		
UV RESISTANCE	<b>Sup. 3<sup>rd</sup> grade Grey scale</b>		
ALKALI RESISTANCE	<b>No structural/chromatic variation</b>		
DRYING AT 20°C	TOUCH DRY		<b>4 hrs</b>
	THROUGH DRYING		<b>48 hrs</b>
PERMEABILITY (WATER VAPOUR)	EN ISO 7783-1 & 2	S <sub>d</sub>	<b>0,323 m</b>
		Class	<b>V<sub>2</sub> (average)</b>
CAPILLARY ABSORPTION & WATER PERMEABILITY	EN1062-3	w	<b>0,052 kg/m<sup>2</sup> √t</b>
		Class	<b>W<sub>3</sub> (low)</b>
ADHESION FOR DIRECT TRACTION	EN 1542	RESULT	<b>Complies (adhesion ≥ 0,3 Mpa)</b>
DURABILITY	EN 13687-3	RESULT	<b>Complies (adhesion ≥ 0,3 Mpa)</b>
THERMAL CONDUCTIVITY	EN 1745	λ10DRY [W/MK]	<b>1,092</b>
FLASH POINT	EN 13501-1		<b>Class C</b>
HAZARDOUS SUBSTANCES		RESULT	<b>Complies</b>

*In compliance with the UNI EN 15824 CE Marking*

### YIELD

If applied correctly, without spilling INTONA CLIMA 1,2 mm offers a yield, once dry, of approx of 0,45 m<sup>2</sup>/kg. Said yield refers to smooth surfaces with medium absorption. Testing is recommended to determine the same.



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**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 1,2mm - with a min consumption of 2,2 kg/m<sup>2</sup>.

€/m<sup>2</sup>

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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.

*Revision 2015/06*



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# ard f.lli raccanello s.p.a.

## industria vernici e smalti

TECHNICAL SHEET 89

CODE 1.630

### intonaclima 1,5 mm

Algae resistant acryl-siloxane rustic coating

#### GENERAL PROPERTIES

INTONACLIMA 1,5 mm is an acryl-siloxane coating for exteriors.

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

INTONACLIMA 1,5 mm is ideal on urban buildings in two coat plaster work, cement mortar renders (whether or not finished), gypsum plaster for interiors & smooth compact prefabricated concrete structures.

INTONACLIMA 1,5 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 a layer of ARDFIX suitably diluted (1 part of product in 8 parts of water). Allow 12 & 4 hrs respectively, level any 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 1,5 mm.
- Unsound painted surfaces: remove any unsound paintwork and efflorescence. Treat mould with ARDSAN RISANANTE MURALE 0.916. Clean thoroughly, ensure the wall is perfectly dry and fix the surface with a hand of ISOLEX W or ISOLEX. Allow 12 hrs, stucco the large imperfections (holes, cracks etc.) with ARDPLAN AS or ARDPLAN BS & apply INTONACLIMA 1,5 mm.
- Surfaces with unsound plastic coatings/embossed plaster: remove any unsound paintwork & efflorescence. Treat mould with ARDSAN RISANANTE MURALE. Clean thoroughly and seal the whole surface with a layer of ISOLEX W or ISOLEX. Allow 12 hrs, accurately level the whole surface and apply INTONACLIMA 1,5 mm.

- When finishing products with limited covering power are employed we suggest using PRIMER RIEMPITIVO COPRENTE (refer to the formulary for shades). RASANTE A PENNELLO is preferable for slightly rough surfaces.

#### Application:

- INTONACLIMA 1,5 mm is ready for use and does not require thinning. Stir well until homogeneous & apply the first coat using a steel or plastic float. Allow 12 hrs & apply a second hand; 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 against 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 premises, under frost proof conditions.
- Use in compliance with the current Health & Safety regulations. Dispose of spent material/containers according to the same.
- INTONACLIMA 1,5 mm can be tinted with the 16COLOURS & WIZARD tinting systems’ pastes.
- Refer to the PSDS for further details.

#### TECHNICAL PROPERTIES

NATURE OF BINDER	Acryl siloxanic polymers		
COLOUR	White & tinting system hues		
MASS VOLUME	1800 – 1900 g/l		
DYNAMIC VISCOSITY	160.000 ± 200.000 cP		
UV RESISTANCE	Sup. 3 <sup>rd</sup> 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 <sub>d</sub>	0,342 m
		Class	V <sub>2</sub> (average)
CAPILLARY ABSORPTION & WATER PERMEABILITY	EN1062-3	w	0,067 kg/m <sup>2</sup> √t
		Class	W <sub>3</sub> (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 <sub>10</sub> DRY [W/MK]	1,060
FLASH POINT	EN 13501-1		Class C
HAZARDOUS SUBSTANCES		RESULT	Complies

*In compliance with the UNI EN 15824 CE Marking*

#### YIELD

Once dry the coating is about 1,5 mm thick. If applied correctly without spilling the average yield is 0,36 m<sup>2</sup>/kg. Said yield refers to smooth substrates with medium absorption. We recommend testing on the specific substrate.

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**TENDER  
SPECIFICATION ITEM**

**ALGAE RESISTANT ACRYLIC-SILOXANE RUSTIC COATING**

Float application on pretreated surfaces of a smooth rustic pigmented coating based on binders in aqueous dispersion, coloured pigments & mineral chargers of various granulometries – which after drying produces a 1,5 mm thick coating - INTONACLIMA 1,5mm - with a min consumption of 2,8 kg/m<sup>2</sup>.

€/m<sup>2</sup>

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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.  
*Revision 2015/06*



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