



ard raccanello s.p.a.

TECHNICAL DATA SHEET N° 221

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CODE 1.614

## Rebuild Fondo L

Elastomeric lightweight algae resistant smoothing primer made of paste

### GENERAL FEATURES

REBUILD FONDO L is a cutting-edge lightweight primer made of paste for external walls.

It contains special microspheres in total recycled glass, created from selected pieces of glass no usable anymore to manufacture new bottles and glasses. Reduced weight up to 25% on the wall compared to a normal primer of same granulometry, with great elastomeric features (A4 class for UNI 1062-6), resistant to molds and algae according to UNI EN 15457 and UNI EN 15458, REBUILD FONDO L results ideal for restoration works on old ETICS coats.

Compared to traditional cement primers, its acryl-siloxane nature let really reduce the work timing, because it does not need seasoning.

It let get reinforced screeds through embedding Ardcoat fiberglass mesh.

REBUILD FONDO L + REBUILD INTONACLIMA L system represents a cutting edge and sustainable repair cycle on old damaged ETICS systems.

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### INSTRUCTIONS

#### Substrate preparation

- Walls with damaged ETICS: verify the old ETICS was adherent to the wall. Apply two layers of REBUILD FONDO L, putting inside the first the 150 gr/mq Ardcoat fiberglass mesh. When dry, apply REBUILD INTONACLIMA L according to the instructions reported in the technical data sheet. If the wall is chalked, apply before the first layer of REBUILD FONDO L a layer of ISOLEX W.
- 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 hours and stucco the large support imperfections with ARDPLAN AS/BS and apply REBUILD FONDO L according to the reported instructions.
- Surfaces with unsound plastic coatings or embossed plaster a little bit unsound: remove any unsound parts. Remove the efflorescences if present, and if mould, treat with ARDSAN RISANANTE MURALE.

Clean thoroughly and seal the whole surface with a layer of ISOLEX W or ISOLEX.

- Allow 12 hours and accurately even the substrate, apply REBUILD FONDO L according to the reported instructions.

### Application

- REBUILD FONDO L is ready to use and it does not require a further dilution. Stir well until uniform & apply a single coat using a steel or plastic float.
- Apply the first layer of REBUILD FONDO L in uniform thickness and immediately embed Ardcoat fiberglass mesh (150 gr/mq). Once the mesh is located, smooth with a steel float. The contiguous meshes must be overlapped for about 5-10 cm.
- Allow 24 hours, apply a second layer of REBUILD FONDO L, pay attention to get a uniform and sound surface.
- Allow 24-48 hours, when it completely dries proceed with the application of the lightweight finish REBUILD INTONACLIMA L.
- Do not apply at ambient/substrate temperatures below +5°C or above +35°C C and with a U.R. more than 85%; avoid applying in direct sunlight or with 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.
- When applying on extensive surfaces apply “wet-on-wet” to avoid shadowing.
- Walls with efflorescence or subject to rising damp must be restored before application in order to guarantee adherence; so a previous intervention to restore the wall is needed.
- Store in cool, frost proof premises.
- REBUILD FONDO L is a product tinted with the tinting system paste 16COLOURS and WIZARD.
- Use the products according to Health & Safety regulations; after use dispose of spent material/containers according to the same. For further information refer to the safety data sheet.

### TECHNICAL DATA

NATURE OF BINDER	<b>Acryl siloxanic polymers</b>		
COLOUR	<b>White and tinting system hues</b>		
GRANULOMETRY	<b>1,5 mm</b>		
MASS VOLUME	<b>1420-1520 g/l</b>		
DYNAMIC VISCOSITY	<b>120.000 – 160.000 cP</b>		
DRYING AT 20°C	TOUCH DRY	<b>4 hrs</b>	
	THROUGH DRYING	<b>48 hrs</b>	
ALKALI RESISTANCE	<b>No structural/chromatic variation</b>		
PERMEABILITY (WATER VAPOUR)	EN ISO 7783-1 E 2	S <sub>d</sub>	<b>0,587 m</b>
		CLASS	<b>V<sub>2</sub> (average)</b>
ADHESION FOR DIRECT TRACTION	EN 1542	RESULT	<b>Compliant (adhesion ≥0,3Mpa)</b>
DURABILITY	EN 13687-3	RESULT	<b>Compliant (adhesion ≥0,3Mpa)</b>
THERMAL CONDUCTIVITY	EN 1745	λ <sub>10DRY</sub> [W/MK]	<b>0,660</b>
CRACK RESISTANCE	EN 1062-7	CLASS	<b>A4</b>
MOULD RESISTANCE	EN 15457	RESULT	<b>Compliant</b>
ALGAE RESISTANCE	EN 15458	RESULT	<b>Compliant</b>

## TECHNICAL DATA REBUILD FONDO L (2 layers with mesh) + REBUILD INTONACLIMA L SYSTEM

FIRE REACTION	EN 13501-1	CLASS	<b>B-s1, d0</b>
SHOCK RESISTANCE *	UNI EN ISO 7892	RESULT with 3J AND 10J	<b>Classe I</b>

\* Tests on the Rebuild system have shown a great resistance to 30J shocks too

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### YIELD

The yield of REBUILD FONDO L is about 0,5 m<sup>2</sup>/kg for layer.  
The consumption indicated refers to smooth and averagely absorbant supports. It is recommended to determinate the yield with a practical test on the specific support.

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### TENDER SPECIFICATION ITEM

LIGHTWEIGHT ALGAE RESISTANT SMOOTHING PRIMER.  
Application by float, on pretreated surfaces, of lightweight smoother with microspheres in recycled glass, in A4 class for resistance to cracks according to EN 1062-7, based on acryl siloxanic polymers as REBUILD FONDO L, with a minimum consumption of 2 kg/m<sup>2</sup> for layer.  
€/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.*

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