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RESIN FIBRA (Liquid Sheath)

technical data sheet

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1. IDENTIFICATION OF THE SUBSTANCE/COMPANY

Trade name: RESINFIBRA (Water Elastic Liquid Conduit)
Manufacturer : Cimar Produzione Surl with plant in Salerno at via Mecio Gracco 8H/8I.
Telephone number also for urgent calls: Tel +39 089 302418

2. CHARACTERISTICS AND USES

Liquid colored waterproofing in water emulsion with very high elasticity and fast drying; based on acrylic styrene resins crosslinkable to ultraviolet rays.
Resists water stagnation. Resistant to ultraviolet rays, it does not need protection.
Good walkability.
The Resin Fibra sheath is used in the Fiber System devised by Cimar.
This system is used to waterproof any type of support, especially for bumpy supports where there is a need to regularize the support before waterproofing. The system foresees the bonding to the support of Potenzio Fibra (glass fiber from 300 gr / sqm) with the Fiber Primer (see technical data sheet of the primer for the gluing instructions) and two applications of Fiber Resin.
Thanks to its high elasticity it makes it resistant even in the most rigid climates.
Has achieved the CE mark.

3. IDENTIFICATION CHARACTERISTICS OF THE LIQUID PRODUCT

Appearance: viscous pigmented paste
Specific gravity = $1.5 \pm 0.05 \text{ kg/dm}^3$
Dry residue = $72 \pm 2\%$
Viscosity at 23°C* = 0.55 Pa-s
VOC content as required by Legislative Decree No. 161 of 27/05/2006: 140 g/l of product ready for use.
VOC content of the product: 80 g/l of ready-to-use product

4. DRYING OR HARDENING TO 23°C AND 50% UR

Surface: 30 '
To the touch: 1 hour
In Depth: 4 hours

5. CHARACTERISTICS OF THE DRIED PRODUCT

Tensile strength: 1.1 MPa
Elongation at break: > 200 %.
Cold flexibility: -20°C.

6. EQUIPMENT

Apply by roller, spatula, brush or airless spray.

7. APPLICATION SUPPORT

Clean and dry surfaces. On cementitious surfaces, which normally dust, it is advisable to give a first coat of the diluted product, max 35%; or use an acrylic (PRIMER C) or (PRIMER FIBRA). Yes it is advisable to abstain from the application in conditions or forecasts of rain and temperatures below -5°C. SPEEDY can facilitate application in adverse weather conditions. Ready to use.

8. CONSUMPTION

Consumption depends on the porosity and regularity of the surface. It is estimated at approx. 2 Kg/sqm in two hands.

9. INSTRUCTIONS FOR STORAGE

Storage temperature: 5°C ÷ 30°C.	Stability in original packages : 12 months
Packing : 1,5-5-10- 20Kg. The product is frost sensitive.	

10. AVAILABLE COLORS

Grey, other colors on request

11. WARNINGS

<p>Apply at temperatures between +5°C and +35°C. Avoid direct application on damp surfaces or in the presence of humidity counter-thrust or on lightened screeds. For applications on new cementitious substrates, wait until they have completely cured. Prepare, where necessary, steam exhalators. Any expansion joints must be treated in advance and separately from the waterproofing. The layers of ResinFibra, not completely dried, are damaged by the action of: rain, dew and fog. Before applying the second coat, make sure that the first one is completely dry.</p>

Performance characteristics CE EN 1504-2	Requirement	Value detected	Test method
CO ₂ PERMEABILITY	SD >50 m	SD=155 m	EN 1062-6
DIRECT TENSILE STRENGTH	≥ 0,8 (0,5) ^{(b)*}	1,58 N/mm ²	EN 1542
WATER VAPOUR PERMEABILITY	CLASSE I SD < 5m CLASSE II 5m ≤ SD ≤ 50 m CLASSE III SD > 50 m	SD=2,90 m	EN 7783
CAPILLARY ABSORPTION AND WATER PERMEABILITY	w < 0,1 kg/m ² · h ^{0,5}	0,02 kg/m ² · h ^{0,5}	EN 1062-3
RELEASE OF HAZARDOUS SUBSTANCES	WITHIN LEGAL LIMITS	none	

The Resin Fibra waterproofing membrane should be regularly inspected in order to verify its perfect integrity. Any deterioration due, for example, to excessive exposure to acid rain or improper use, makes visible discolorations of the resinous mantle making it necessary to carry out maintenance work, i.e., the application of the same product in the amount necessary to restore the perfect waterproof seal. Inspection of the waterproof mantle and any maintenance makes sure that the waterproofness remains over time, preventing infiltrative phenomena.

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