



# ETRON FIBRORINFORZATO

## SCHEDA TECNICA

Revisione : 08/03/2024

Prodotto: **ETRON FIBRORINFORZATO**

Categoria: Linea ETRON

Azienda: Loggia

### General Characteristics

ETRON FIBRORINFORZATO is a one-component, fast drying, fiber-reinforced, waterproofing and anti-stagnation fluid membrane. Ready-to-use single-component product, applicable with a trowel or brush. Formulated with suitable styrene-acrylic resins, additives and high quality synthetic fibers carefully chosen to obtain a waterproof structure with good elasticity and resistance. Enriched with pigments for resistance to UV rays and foot traffic.

The product has a unique silanization technology of its kind able to guarantee:

- Excellent adhesion to difficult substrates.
- High resistance to photochemical degradation
- Tileable with the use of suitable adhesives.
- The formation of a membrane resistant to hydrolytic degradation. That is, the long-term resistance to total / partial immersion in water.

### Application

Suitable for waterproofing balconies, terraces and bathrooms and all surfaces that are subject to water infiltration, where good resistance to trampling is required. The presence of synthetic fibers improve the structural properties of the sheath, without the need to lay additional reinforcing structures.

### Preparation of the surface



Apply only on dry, clean and efflorescence-free surfaces. The support must be solid and not flaky; seal any holes. In case of application on a cementitious mineral substrate, if it is chalking and on old bituminous membranes apply the H2O TECHNICAL MICROPRIMER ready for use.



In the case of application on tiled flooring, restore and level the joints and apply ETRON MICROPRIMER ATTAK as an anchor. Re-weld the tiles that are non-compliant. In the case of detached bituminous membranes it is necessary to remove and restore them.



For wooden supports it is necessary that they are not damaged or rotten. Apply a coat of anchor (TECHNICAL MICROPRIMER H2O) before applying the product.

For application on metal supports it is necessary to remove any rust and roughen the surface with sandpaper. Apply a coat of anchor (SOLVENT-BASED TECHNICAL MICROPRIMER) before applying the product.

Apply a first coat of ETRON FIBRORINFORZATO as a primer diluting at 10-15%.

## Application Methods



ETRON FIBRORINFORZATO is a ready-to-use product, mix by hand before use. It can be applied with a brush and spatula. Apply a minimum of two coats with a minimum dry thickness of about 0.6 mm each. Before applying another coat, wait for the first one to dry completely. The second hand must cross the first. To obtain a better homogeneous distribution it is recommended to apply several coats by crossing them. At the end of the application, the thickness must not be less than 1 mm. It is important to protect the sheath from water until it is completely dry. In case of forecast rain and autumn / winter periods, use ETRON FIBRORINFORZATO FAST or add the AXEL drying accelerator (Dilute the product 5-7% before application)

Application temperature:	+5 ÷ +35	°C
Relative humidity of application:	<85%	
Recommended thickness:	0,6	µm per coat
Dust dry:	0,5	h
Repaintable after:	8	h
Deep dry:	18 (a 25°C)	h
Tool cleaning:	water	

Specific weight:	1,37 ± 0,1	Kg/l	
Viscosity:	14000 ± 3000	cPs	
pH:	8-9		
Dry residue:	73,5% ± 0,5%		
Theoretical yield (waterproofing cycle as it is):	2	kg/mq	
Packaging:	1 – 4 – 8 – 20	kg	
Color:	White, Grey, Red ox, Green ox		
Product compliant with laboratory tests, according to the requirements of the EN 14891: 2017 standard relating to liquid applied waterproofing products.			
Performance characteristics	Test method	Minimum requirements according to EN 14891: 2017	Results
Adesione a trazione Initial tensile adhesion	A.6.2	>/=0,5 N/mm2	0,76 N/mm2
Water impermeability	A.7	No penetration and weight gain <= 20 g	No penetration and weight gain
Crack-bridging capability under normal conditions (+ 23 ° C)	A.8.2	>/=0,75 N/mm2	8,27 N/mm2
Low temperature crack-bridging capability (-5 ° C)	A.8.3	>/=0,75 N/mm2	4,96 N/mm2
Durability by traction adhesion after thermal aginginiziale	A.6.5	>/=0,5 N/mm2	0,70 N/mm2

## Storage:



The unopened product, stored intact in a dry and cool place, has a storage life of not less than 24 months.

Minimum storage temperature: + 5 ° C



Maximum storage temperature: + 35 ° C

## Safety Precautions:

Do not apply at temperatures below 5 ° C and above 35 ° C. Do not apply on wet surfaces and subject to rising damp. Mix manually only. Apply only and exclusively on solid and not dusty surfaces. In case of rain between one coat and the other, wait for complete drying before the next installation.

In the presence of supports and / or areas subject to strong expansion, structural or technical lesions such as expansion joints, longitudinal overlaps of old bituminous membranes laid on wooden roofs (material with significant volume expansion) it will be necessary, before laying Etron Fibrorinforzato, intervene in these points with preliminary operations. Cracked or dilated parts must be treated with high performance elastomeric sealants. Subsequently these areas, the joints and the longitudinal overlaps (as described above), it will be necessary to reinforce them with the laying of reinforcing fabric strips capable of distributing the expansion tensions over an extended surface of at least 10-25 cm in width. The thickness of Etron Fibrorinforzato must be 3-4 mm in these points. Always consult our technical department in case of particular specifications and for all special situations not described in this technical data sheet.

Wear protective clothing when installing ETRON FIBRORINFORZATO.

For all information relating to the handling of the product as well as its correct disposal, please refer to the Safety Data Sheet.

## **Warnings**

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FIBER-REINFORCED ETRON. Ready-to-use, single-component, waterproofing and anti-stagnation fiber membrane, applicable by brush and trowel. For the protection and waterproofing of surfaces exposed to extreme atmospheric agents or high humidity / stagnation of water and where good resistance to trampling is required. Applicable by brush and trowel for an estimated final consumption of 2 Kg / m<sup>2</sup>.

The information contained in this sheet is provided to the best of our technical knowledge. However, these indications and suggestions cannot have the value of a guarantee for the applicator, since the conditions of use of the product are beyond our direct control. It is therefore advisable to ascertain the suitability of the product for the specific case with preliminary tests.

**Loggia Industria Vernici S.r.l.** Via Colle d'Alba di Levante – 04016 B.go S. Donato - Sabaudia (LT) –  
ITALY

Tel. (+39) 0773 562212, Fax (+39) 0773 562034. [www.loggia.it](http://www.loggia.it), E-mail [commerciale@loggia.it](mailto:commerciale@loggia.it).

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