

# ETRON FIBRORINFORZATO

## **SCHEDA TECNICA**

Revisione : 10/06/2024

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 surface 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 presence of detached bituminous sheaths it will be necessary to remove them and restore them or, if possible, re-weld them. For recently laid bituminous membranes, however, it is necessary to wait at least 180 days before applying ETRON FIBRORINFORZATA, or a minimum of 30 days provided that the entire surface is treated with a steel brush. This is to prevent the plasticizers released by the bitumen from hindering the anchoring of the liquid sheath. However, it is always recommended to carry out an adhesion test before carrying out the work.



Tiled flooring. Re-weld the loose tiles, restore the grouting of the joints if missing, degrease the entire surface, sand to remove dirt and/or traces of substances not eliminated by degreasing, finally, apply ETRON MICROPRIMER ATAK as an anchoring primer.

Wooden supports. It is necessary that these are not damaged or weakened. Proceed with sanding to remove any flaking parts or dirt present on the surface, then apply a coat of MICROPRIMER TECNICO H2O anchor before applying the product. In the presence of slats, it will be necessary to reinforce the product with 225 g/m2 fiberglass mat, placing the same between the first and second coat, then finishing with a third to close the installation. Wood is an anisotropic material, with expansions of up to 10%, so it is essential to treat all areas where there may be critical issues.

Metallic supports. Remove any rust and treat the surface with sandpaper. The product, due to its characteristics, adheres directly to metal surfaces and as a preparation base it is necessary to apply a first coat of ETRON HYBRID as a primer with a 10-15% dilution. Alternatively, however, it is recommended to apply a coat of anchoring primer Protection 1, Protection 2 or WB 600 (water-based epoxy primer) as a base before installing the product.

## 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 0.5 mm each. Before applying a further coat, wait for the first one to dry completely. The second hand must cross the first and any third hand the second. At the end of the application the thickness must not be less than 1.5 mm (approximately 1.8-2 kg/m2). 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 FIBRORINFORZATA FAST or add the AXEL drying accelerator (Dilute the product by 5-7% before the application)

Application temperature:	+5 ÷ +35	°C
Relative humidity of application:	<85%	
Recommended thickness:	0,5	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%	
Elongation at break (ISO 37)	? 300 %	
Theoretical yield	2	kg/mq
(waterproofing cycle as it is):		
Packaging:	1 – 4 – 8 – 20	kg
Color:	White, Grey, Red ox, Green ox	

Aspect matt

Product compliant with laboratory tests, according to the requirements of the EN 14891: 2017 standard relating to liquid waterproofing products.

Performance characteristics	Test method	Minimum requirements according to EN 14891: 2017	Res
Initial tensile adhesion	A.6.2	>/=0,5 N/mm2	0,76 N
Water impermeability	A.7	No penetration and weight gain <= 20 g	No penetr weight
Crack-bridging capability under normal conditions (+ 23 ° C)	A.8.2	>/=0,75 N/mm2	8,27 N
Low temperature crack-bridging capability (-5 ° C)	A.8.3	>/=0,75 N/mm2	4,96 N
Durability by traction adhesion after thermal aging	A.6.5	>/=0,5 N/mm2	0,70 N
Durability for tensile adhesion after immersion in water	A.6.3	>/=0,5 N/mm2	1,27 N/mm2
Durability for tensile adhesion after immersion in lime water	A.6.9	>/=0,5 N/mm2	1,48 N/mm2
Durability for tensile adhesion after frost cycles thaw	A.6.6	>/=0,5 N/mm2	0,50 N/mm2
Durability for tensile adhesion after immersion in chlorinated water	A.6.8	>/=0,5 N/mm2	2,13 N/mm2
Operating temperature			-20°C/+50°C

## Storage:



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

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.

N.B. It is essential, however, to evaluate the situation you are facing and, in certain conditions, it is necessary to provide additional or specific operations.

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 FIBRORINFORZATA. Submersion for prolonged periods of time in the presence of high concentrations of chlorine ions tends to weaken the membrane more rapidly. In these cases it is recommended to use ETRON SMALTO POOL or ETRON PLIPOOL which are specifically formulated for these conditions. For all information relating to the handling of the product, as well as its correct disposal, please refer to the Safety Data Sheet.

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## **Warnings**

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 / m2.

This technical data sheet is based on our best knowledge of the product. Not being able to exercise any type of control over the application of the product itself, and the possibilities for its use being multiple, Loggia industria paints S.r.l. assumes no responsibility for the use of the product. For further information contact the technical office.

Furthermore, the technical data sheets could be subject to changes or updates, therefore, we recommend obtaining documents updated at the date of use of the material.

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