

ETRON

SCHEDA TECNICA

Revisione : 29/03/2023

Prodotto: **ETRON**
Categoria: Linea ETRON
Azienda: Loggia

General Characteristics

ETRON is a single-component liquid waterproofing and anti-stagnation sheath, ready for use, applicable by roller and brush. Formulated with suitable styrene-acrylic resins and additives for the formation of a waterproof and anti-stagnation film, with good elasticity. 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.

Use

Suitable for waterproofing balconies, terraces and bathrooms and all surfaces that are subject to water infiltration, where good resistance to trampling is required.

Surface Preparation



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



In case of application on tiled flooring, restore and level the joints and apply ETRON PRIMER ATTAK as an anchor. Re-weld the tiles that are non-compliant. In 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 weakened. Apply a coat of anchor (MICROPRIMER TECNICO 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 MICROPRIMER TECNICO) before applying the product.

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

Application Methods



ETRON is a ready-to-use product, mix before application. It can be applied by brush and roller. 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. 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 fast drying ETRON FAST, or add the AXEL accelerator (Dilute with 5-7% water before application).



Application temperature:	+5 ÷ +35	°C
Relative humidity of application:	<85%	
Recommended thickness:	0,6	mm per coat
Dust dry:	0,5	h
Repaintable after:	8	h
Dry in depth:	48 (at 25°C)	h
Tool cleaning:	water	

Density:	1,37 ± 0,1	Kg/l
Viscosity:	14000 ± 3000	cPs
pH:	8-9	
Dry residue:	74,4% ± 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	
Appearance:	Matt	

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
Initial tensile adhesion	A.6.2	$\geq 0,5$ N/mm ²	0,83 N/mm ²
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	$\geq 0,75$ N/mm ²	7,09 N/mm ²
Low temperature crack-bridging capability (-5 ° C)	A.8.3	$\geq 0,75$ N/mm ²	4,51 N/mm ²
Durability by traction adhesion after thermal aging	A.6.5	$\geq 0,5$ N/mm ²	0,71 N/mm ²
Durability by traction adhesion after immersion in water	A.6.3	$\geq 0,5$ N/mm ²	1,27 N/mm ²
Durability by traction adhesion after immersion in lime water	A.6.9	$\geq 0,5$ N/mm ²	1,48 N/mm ²
Durability by traction adhesion after freeze-thaw cycles	A.6.6	$\geq 0,5$ N/mm ²	0,50 N/mm ²
Durability by traction adhesion after immersion in chlorinated water	A.6.8	$\geq 0,5$ N/mm ²	2,13 N/mm ²

Storage:



Store the product in its packaging, in a dry place with a temperature between 5 and 35 ° C. Protect from frost. It has a shelf life of not less than 24 months

Warnings

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 presence of substrates and/or areas subject to strong expansion, structural or technical lesions such as expansion joints, longitudinal overlaps of old bituminous sheaths laid on wooden roofs (material with significant volume expansion) it will be necessary, before laying Etron, 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), will need to be reinforced by laying 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 must be 3-4 mm in these points. Always consult our technical office in the event of particular specifications and for all special situations not described in this technical data sheet.

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

Specifications:

ETRON. Ready-to-use, single-component waterproofing sheath, applicable by roller and brush. For the protection and waterproofing of surfaces exposed to extreme atmospheric agents or high humidity / stagnation of water. Applicable by roller and brush for an estimated final consumption of 2 Kg / m².

This 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 of its use being multiple, Loggia Industria Vernici S.r.l. assumes no responsibility for the use of the product. For more information, contact the technical department.

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BVQI certified company for the UNI EN ISO 9001-2000 quality system.