



PRIMARESINA BARRIERA AL VAPORE

Two-component, water-based bonding primer for damp mineral substrates.

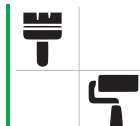
Average consumption

350 g/m² in two coats

Packs (A+B)

1 kg • 5 kg • 10 kg • 20 kg

APPLICATION



DESCRIPTION

PRIMARESINA BARRIERA AL VAPORE is a two-component epoxy primer in water dispersion, suitable for application to cementitious substrates or absorbent ceramic surfaces affected by negative-side moisture pressure or residual damp, prior to applying resin coatings (both water- and solvent-based finishes, epoxy, polyurethane or acrylic, including products from the Naici waterproofing range, etc.) or other types of coverings (flooring, parquet, PVC, etc.)

Meets the requirements of UNI 8298 Part 8 regarding resistance to reverse hydrostatic pressure.

INTENDED USE

PRIMARESINA BARRIERA AL VAPORE is used both indoors and outdoors on cured cement-based substrates or floorings where there is moisture under negative pressure or residual moisture, to create a vapour barrier prior to applying thin resin coatings or other finishes (ceramic, marble, wood, etc.), depending on the adhesion performance of the materials used.

PRIMARESINA BARRIERA AL VAPORE can be applied prior to waterproofing with Naici liquid membranes, together with the installation of breather vents to allow residual moisture to escape from the substrate.

Suitable for use on cured cement screeds with an alkaline pH up to pH 14.

BENEFITS

- Quick and easy application using a roller or brush
- Vapour barrier achieved in just a few steps
- High resistance to moisture under negative pressure
- Fast drying

APPLICATION INSTRUCTIONS

Substrate quality

The substrate must be properly cured, compact, sound, stable, absorbent and durable, and free from loose or friable parts, dirt, efflorescence, moisture, oils, grease, salts, etc.

Substrate preparation

Remove any standing water.

Prepare the surface using suitable equipment fitted with abrasive tools (sanding, grinding, etc.) to ensure it is absorbent.

Remove any traces of previous coatings and any material that is coming away and could affect adhesion, using appropriate equipment.

Any damage, cracks or joints present must be suitably pre-treated. If in doubt, contact our Technical Office.

Product preparation

Mix components A and B separately. Pour component B into component A, following the specified mixing ratio, and mix for 3–4 minutes using a low-speed mechanical mixer until the blend is perfectly uniform.

For partial preparation, strictly follow the mixing ratio shown on the label on the pack, using electronic scales.

The product reacts quickly: once the two components (A + B) have been mixed, apply immediately, before curing begins (approx. 40 minutes at around 23 °C, depending on the ambient temperature).

At higher temperatures, working time is reduced, as the product cures more quickly.

Material application

Apply the product using a medium-nap roller (approx. 13 mm) or a brush, in several coats (at least two), for a total consumption of at least 350 g/m² (this may vary depending on the surface absorbency).

Before applying the next coat, allow the previous one to dry (around 6 hours and no more than 24 hours, at a temperature of approx. 23°C – R.H. 65%).

At the end of application, ensure the whitish product is present evenly across the entire surface; if not, repeat the application until a uniform finish is achieved.

Apply the coating within 6 to 24 hours.

OVERCOATING TIMES (at a temperature of approx. 23° R.H. 60 - 65%)

Water-based coatings	after 4–5 hours (no later than 24 hours);
Solvent-based coatings	after 24 hours

TECHNICAL DATA

PRODUCT DATA			
Type	two-component		
Colour	• Component A - off-white • Component B - yellow-brown		
Base	epoxy		
VOC	Directive 2004/42/EC Binding primers (BS). EU limit value for this product (cat. A/h): 750 g/L. PRIMARESINA BARRIERA AL VAPORE contains max. 120 g/L VOC		
Storage	6 months at a temperature between +10°C and +30°C, protected from frost and moisture		
APPLICATION DATA			
Coverage (smooth cementitious surfaces)	minimum 350 g/m ² A+B, in two coats		
Specific gravity (UNI EN ISO 2811-1)	1.50 ± 0.05 g/cm ³		
Application temperature	+15 / +30 °C		
Catalyst ratio (A:B)	A:B = 75:25		
Pot life (23°C, 65% RH, 150 g)	A+B 40 minutes		
Concrete adhesion (UNI EN 1542:2000)	>2.5 MPa substrate failure		
Polished ceramic (UNI EN 1542:2000)	>2.5 MPa substrate failure		
Recoat time	after 6 hours and within 24 hours		
DETERMINATION OF RESISTANCE TO REVERSE HYDROSTATIC PRESSURE – UNI 8298 Part 8			
PRIMARESINA BARRIERA AL VAPORE sample			
Test No.	Test duration (hours)	Pressure (kPa)	Changes
1	72	50	none
2	72	100	none
3	72	250	none

PACKAGING

Total component A+B (pre-dosed) • 1 kg • 5 kg • 10 kg • 20 kg

This data sheet is based on our best knowledge of the product. As we cannot exercise any control over how it is applied and, given the many possible conditions of use, NAICI accepts no responsibility for the product's use. Always refer to the latest updated version of the technical data sheet, available at naici.it, or contact ufficiotecnico@naici.it

WARNINGS

Strictly comply with the mixing ratios stated on the label.
Once the components have been mixed, apply the product promptly (application time limits depend on temperature, which affects the product's curing reaction).
Do not apply to cementitious substrates until curing has been completed.
Do not apply to substrates and/or floors that are not perfectly sound or are at risk of detaching, as this would compromise the adhesion of subsequent coatings.
At temperatures above 23 °C, the pot life is reduced.
In cold periods, product viscosity increases, making application more difficult: store in a heated place before use.
During use, wear protective gloves and safety goggles, and take all necessary precautions. For further, comprehensive information on the safe use of the product, it is recommended that you consult the latest version of the Safety Data Sheet.
Do not apply at temperatures below 15 °C.
Do not apply to surfaces with a film of surface water.
Do not use for high-build coatings that require suitable mechanical surface preparation (shot blasting, scarifying, etc.).
Always check that you are consulting the latest updated version of the technical data sheet.

SPECIFICATION CLAUSE

Treatment of cementitious substrates or ceramic floorings with a high level of moisture, whether due to negative hydrostatic pressure or residual damp, prior to installing resin coatings, liquid membranes or other finishes of any nature and type (ceramic, marble, wood, etc.), by applying by roller or brush in multiple coats (at least 2) a two-component bonding primer of epoxy nature in water-based emulsion known as PRIMARESINA BARRIERA AL VAPORE, with an average total consumption of approx. 0.350 kg/m², following suitable substrate preparation.