



FUTURFLOOR PRIMER EPOX WATER

LOW VISCOSITY TWO-COMPONENT WATER-BASED EPOXY PRIMER

Two-component water-based epoxy coating especially indicated for use in a 1:1 proportion by volume. This allows it to be consumed in small quantities and to store the remaining material for future uses. Its low viscosity and long pot life make it ideal for easy-to-handle applications. It can be easily pigmented with water-based or universal pigment pastes. Quartz sand can be added to achieve protective non-slip surfaces on concrete or metal surfaces. The product has a very low level of yellowing when exposed to UV.

PROPERTIES

Quick and easy application Mixing ratio 1:1 by volume.

Non-flammable water-based product (zero VOC), odor-free. Suitable for indoor or closed sites.

Very fast curing.

Good adhesion to concrete with high mechanical resistance, resistance to abrasion and chemical agents.

Adhesion even on wet supports, iron, galvanized steel, aluminum, glass and wood.

Breathable. Highly effective as a water vapor barrier.

Very easy to clean.

PHYSICAL-CHEMICAL CHARACTERISTICS

Appearance*:	Liquid
Presentation:	Plastic containers Component A: Blanquedino. Component B: Yellow
	2 L containers
	Component A: 1 L Component B: 1 L
	20 L containers:
	Component A: 10 L Component B: 10 L
Mixing ratio:	Component A: 1 part. Component B: 1 part.
Chemical nature:	Water-based epoxy
Solid content:	35%
Density at 20 °C*:	1,000 ± 0.050 Kg/L (20 °C, ASTM D1475)
Viscosity:	100 cP (ASTM D2196-86, 25 °C)
Pot Life:	1 hour (25 °C)
Touch dry:	3-5 hours
Repainted:	4-48 hours hours
Total curing:	3 days
Support temperature:	> +10 °C, < +40 °C
Ambient temperature:	> +10 °C, < +40 °C
Relative humidity:	< 75%
Support humidity:	Admits humidity, not waterlogging



Abrasion resistance:	0.12 g (ASTM D4541, Taber 503, CS17, 1 Kg, 1000 rpm)
Adhesion strength:	> 3 N/mm ² (Pull-out test, ASTM D4541)
VOC:	0 g/L
EN-13813 data: CE marking	
Fire behavior:	F
Fire behavior:	SR
Water vapor permeability:	NPD
Wear resistance:	NPD
Adherence:	B2.0
Shore D Hardness:	NPD
Acoustic insulation:	NPD
Acoustic absorption:	NPD
Thermal resistance:	NPD
Thermal resistance:	NPD

* Quality specifications.

MODE OF USE

Before applying the product, check that the support is clean and free of traces of oil, grease, silicone, contaminating waxes or soil materials. If repair is needed, apply appropriate repair mortars.

Apply at room temperature between +10 °C and 40 °C. The temperature of the support must be between +10 °C and 40 °C. The support must be dry and with relative humidity It is important to control the dew point to prevent condensation from occurring and avoid whitish areas on the coating.

It is necessary to start from a porous concrete support, without grout and free of curing liquids. Minimum compressive strength of concrete: 15 N/mm². Minimum tensile strength of concrete: 1 N/mm².

If in doubt, carry out a test before application.

Mix the two components in the recommended proportion of 1 part of component A for every 1 part of component B.

Beat component A well in its container, then add component B and beat with an electric stirrer (300-400 rpm) for a minimum of 2 minutes until obtaining a homogeneous product. If overmixed, occluded air bubbles may appear. Once the two components are mixed, it is ready for use. The open application time (Pot Life) is 1 hour at 25 °C and 55% RH.

Apply with a brush, roller or airless spray in thin layers with an approximate consumption of 150 g/m² in two layers. The final consumption will depend on the porosity and roughness of the support. Product ready to use. Dilution is not recommended.

Repainting will be done once the previous layers have dried, approximately 2-24 hours.

Touch dry: 3-5 hours

Pedestrian traffic: 24 hours

Light traffic: 2 days

Total curing: 3 days

Data at ambient temperature of +25 °C and 55% relative humidity.

It can be mixed with quartz sand with a grain size of 0.2-0.4 mm. Mix with a low-speed agitator and apply with a trowel in non-slip treatments. It is recommended to shake frequently to avoid sedimentation of the sand.

Maintenance and cleaning: To maintain the appearance of the floor after application, all spills must be removed immediately after they have occurred. The floor must be cleaned regularly using rotating brushes, high-pressure cleaners, vacuum cleaners, using neutral detergents and appropriate waxes.

Once the container is opened, we recommend its complete consumption. Once the two components have been mixed, the mixture obtained must be applied, respecting the pot-life.



Stable for 12 months from its manufacturing date, in its original, well-closed and undamaged container. Store in a dry and cool place at temperatures between +5°C and +25°C.

Application in closed areas must be carried out ensuring proper ventilation during application and 48 hours after.

Do not exceed the maximum consumption because it may affect its adhesion and durability.

Avoid the formation of puddles of the product.

In applications exposed to U.V. rays, yellowing may occur.

For applications with chemical resistance, consult the technical department.

Incorrect treatment of cracks and singular points can lead to a reduction in the useful life of the pavement. Do not reuse to mix or apply with polyurethane products.

To clean materials and utensils, use FUTURSOLVENT 001 before the product hardens. Once the product has hardened it can only be removed by mechanical means.

APPLICATIONS

Very useful in all types of construction companies, quick repair contracts, masonry in general, community maintenance, repair and restoration of buildings, industrial flooring, etc.

Application as:

Primer suitable for polyurethane, polyurea, acrylic and epoxy systems.

Concrete sealing.

Union bridge between old/new mortars.

Anti-dust layer in the treatment of concrete floors.

Protective layer for old metal structures.

Supported media:

Concrete, iron, galvanized steel, aluminum, glass and wood.

For other supports we recommend carrying out tests to verify their adhesion.

The information and recommendations we provide are based on our Research and experience and we believe they are correct. Since the application of the products by our Clients is beyond our control, we cannot assume responsibilities arising from misuse of our products.