

FUTUR-PRIMER WATERDUR

TWO-COMPONENT WATER-BASED EPOXY ADHESIVE, UNION BRIDGE ADHERENCE PROMOTER

2-component water-based epoxy coating for priming in polyurethane and epoxy-based systems, on poorly porous supports, with residual humidity and negative pressure. Classified as "class III" vapor barrier, which makes it ideal for applications with negative pressure and residual humidity. It is an easy to apply and safe product (zero VOC).

PROPERTIES

Quick and easy application.

Non-flammable water-based product (zero VOC), odor-free.

Consumption of product appropriate for the required use.

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:	Metallic containers Component A: Colorless. Component B: Transparent <table border="1"> <tr> <th colspan="2">4 Kg containers</th></tr> <tr> <td>Component A: 1 Kg</td><td>Component B: 3 Kg</td></tr> <tr> <th colspan="2">20 Kg containers:</th></tr> <tr> <td>Component A: 5 Kg</td><td>Component B: 15 Kg</td></tr> </table>	4 Kg containers		Component A: 1 Kg	Component B: 3 Kg	20 Kg containers:		Component A: 5 Kg	Component B: 15 Kg
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Component A: 5 Kg	Component B: 15 Kg								
Mixing ratio:	Component A: 1 part. Component B: 3 parts weight								
Chemical nature:	Water-based epoxy								
Density at 20 °C*:	1,000 ± 0.050 Kg/L (20 °C, ASTM D1475)								
Viscosity:	3500 cP (ASTM D2196-86, 25 °C)								
Pot Life:	1 hour (25 °C)								
Touch dry:	5-6 hours								
Repainted:	6-48 hours hours								
Total curing:	7 days								
Support temperature:	> +10 °C, < +40 °C								
Ambient temperature:	> +10 °C, < +40 °C								
Relative humidity:	< 75%								
Support humidity:	Admits humidity, not waterlogging								
Adhesion strength:	> 3 N/mm ² (Pull-out test, ASTM D4541)								
Water vapor transmission:	3.9 g/m ² .24 h Class III (Low, < 15, EN ISO 7783-2)								

Water transmission:	0.003-0.006 Kg/m ² . 24hr0.5 Class III /Low, < 0.1, EN ISO 1062-3)
VOC:	0 g/L
Adhesion strength:	> 3 N/mm ² (Pull-out test, ASTM D4541)
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VOC:	0 g/L
EN-13813 data: CE marking	
Fire behavior:	ND
Emission of corrosive substances:	SR
Water vapor permeability:	ND
Wear resistance:	ND
Adherence:	B2.0
Shore D Hardness:	ND
Acoustic absorption:	ND
Thermal resistance:	ND

* 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 by weight of component A for every 3 parts. Component B: 23 parts weight

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. When vapor barrier is required, apply 0.600-1 Kg/m² depending on porosity. As a concrete sealer, apply layers of 0.300-0.500 Kg/m². Between 10-30% water can be added for viscosity and consistency adjustments.

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

Touch dry: 5-6 hours

Pedestrian traffic: 24 hours

Light traffic: 2 days

Total curing: 7 days

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

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.

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.

Continuous coating on concrete supports such as food warehouses, schools, hospitals, etc.

Adhesive between old and new mortars/concretes.

Vapor barrier.

Supported media:

Supports with residual moisture.

Negative pressure or increasing humidity.

Little porous supports.

Industrial floor or mosaic, concrete, marble, 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.