

EP AQUACOAT VARNISH



Two-component water-based epoxy varnish for floors

DESCRIPTION

Transparent anti-dust and protective coating for concrete floors and walls in all types of interior areas. Waterproof to liquid water but permeable to steam, a characteristic that allows the support to perspire to eliminate possible accumulations of water and blisters. It consists of a two-component pre-dosed kit.

APPLICATION

Easy to apply varnish that can be applied on lightly moistened surfaces or with some residual moisture.

- Industrial premises
- Poorly ventilated areas
- Parkings
- Warehouses

CERTIFICATIONS

CE	
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EN 13813 SR-B4,0-AR0,5-IR14,7	
Recubrimiento/revestimiento a base de resina sintética para uso en construcciones de acuerdo con su ficha técnica	
Reacción al fuego	Bs
Emisión de sustancias corrosivas	SR
Permeabilidad al agua	NPD
Resistencia al desgaste (BCA)	AR 0,5
Resistencia a tracción	B 4,0
Resistencia al impacto	IR 14,7
Aislamiento acústico	NPD
Absorción acústica	NPD
Resistencia térmica	NPD
Resistencia química	NPD

Fire resistance classification according to EN13501-1: 2007 (Aitex. Cert. Núm 2016AN2375)

TECHNICAL DATA

PRODUCT INFORMATION BEFORE APPLICATION

	Component A	Component B		
Chemical identity	Water-based polyamine hardener	Modified epoxy resin		
Physical state	Liquid	Liquid		
Presentation	Container 12 kg 6 kg	Metal container 4 kg 2 kg		
Solid content	26%	100%		
Flashpoint	> 120°C	> 120°C		
Colour	Light yellow	Slightly yellow		
Density	Temperature (°C)	Density (g / cm3)	Temp (°C)	Density (g / cm3)
	2.3	1.03	25	1.14
Viscosity	Temperature (°C)	Viscosity (I)	Temperature (°C)	Viscosity (I)
Brookfield Approximate Values	35 25 fifteen	1800 2400 4200	35 25 fifteen	60 170 375
	5	11000	5	710
VOC	7g / L, 0.7%		7g / L, 0.7%	
Mixing ratio	A = 100, B = 33 by weight A = 100, B = 30 in volume			
Mix characteristics	Density: 1.02 g / cm3 a23°C Viscosity: 4700 at 23°C Solids content: 44%			

Potlife	Temperature (°C)	Potlife (100 g, minutes)
	5	120
	twenty	90
	35	60

Storage and expiration

Store between 10° and 30°C. Frost sensitive product. Under certain storage conditions, component B can crystallize. If this occurs, it can be reverted to the original state by heating to 70-80°C and completely homogenizing.
Expiration: 12 months from manufacture

FINAL PRODUCT INFORMATION

Final state	Solid membrane
Colour	Transparent, light yellow tone.
Hardness (Shore) (ISO 868)	66D
Density of the solid	1.2 g / cm3
Mechanical properties	Maximum elongation: 4% Maximum traction: 27
UV resistance	The product experiences slighty allowing with sun exposure, without loss of mechanical properties.
Use temperature	Stable up to 80°
Anti-slip properties	With dusting of aggregates (0.4-0.9 mm) at 1 kg / m3: complies with class 3 according to UNE EN 12633-2003. No aggregates, class 1.
Adhesion to various substrates	Surface: Concrete Adhesion (I): 4.0
Fire resistance classification EN13501-1: 2007	Bfl s1

CHEMICAL RESISTANCE

Continuous contact (3 days, 80°C). The less weight gain, the greater resistance

Substance	% weight gain
Water	5
Methoxypropylacetate	40
Isopropyl alcohol	fifteen
Xylene	25
Gasoil	5
Bleach	10
Acetic acid (10%)	40

Superficial contact (24 h, room temperature, 5 = ok, 0 = not recommended)

Substance	Outcome
Water	5
Motor oil	5
Vinegar	5
Peroxide	one
Sulfuric acid (10%)	two
Sulfuric acid (30%)	one
Isopropyl alcohol	3
Xylene	two
Gasoil	5
Ammonia (3%)	4
Methoxypropylacetate	0
Acetic acid (10%)	0
Bleach	two
Sodium hydroxide (40 g / L)	4
Skydrol	5

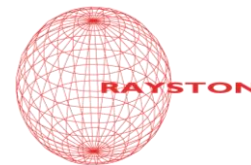


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SUPPORT REQUIREMENTS

To obtain good penetration and adhesion, the support must always have the following characteristics:

1. Level
2. Cohesive / coat with a minimum resistance of 1.5 N / mm² (pull off test)
3. Regular and fine appearance
4. Free of fissures and cracks. If there are, they must be pre-treated.
5. Healthy, clean, dry, free of dust remnants of loose materials or particles, superficial slurries and free of fats, oils and mosses

SUPPORT PREPARATION

Concrete substrates must be prepared mechanically using an abrasive blast or scarifying to lift the surface and achieve an open pore. Sharp irregularities are removed with a polisher. Remove all dust and loose material from the surface with a brush, broom and / or vacuum cleaner.

ENVIRONMENTAL CONDITIONS OF HUMIDITY AND TEMPERATURE

It must be applied on supports whose temperature is at least 3°C above the dew point. The air temperature must be between 5°C and 40°C. Relative humidity must be less than 80%. Optimum temperature range: 10°C-30°C. These conditions should remain constant during drying. Lower temperature conditions and higher humidity lead to slow, poor curing with traces of white veil. It is recommended to ensure good ventilation during application.

MIXING OR HOMOGENIZATION

Shake and homogenize the two components with a low speed stirrer. The product turns into a homogeneous milky liquid. Mix only the amounts that can be applied within the pot life period.

APPLICATION

Apply with a brush, roller or airless spray.

CONSUMPTION

Consider a minimum consumption of 150 g / m².

DRYING TIME

250 g / m² application

Terms	Dry to touch (h)
35°C, 25% hr	4
35°C, 60% hr	5
20°C, 10% hr	24
20°C, 40% hr	24
20°C, 90% hr	24 (veiled)
3°C, 60% hr	> 30 (veiled)

REAPPLICATION

A second application can be made from the moment the first is dry to the touch, and in the following 24 hours. Caution: prolonged contact with water if the product is not fully cured can cause white spots.

TOOL CLEANING

Clean with water, before hardening.

SECURITY

The epoxy components in component A have sensitization potential and those in component B are corrosive. Always follow the instructions on the safety sheet of this product and take the protection measures described there in. In general, adequate protection of the skin and eyes is mandatory. The product should be used only for its intended uses and in the prescribed manner.

This product should only be used for industrial and professional uses. Not suitable for DIY use.

ENVIRONMENTAL CONDITIONS

Empty containers should be handled with the same precautions as if they were full. Consider packaging as waste to be treated through an authorized waste manager. If the containers contain remains, do not mix them with other products without previously ruling out possible dangerous reactions. The residues of component A and B can be mixed in order to convert them into an inert solid material but never in a volume greater than 5 liters at the same time to avoid dangerous heat generation.

ADDITIONAL INFORMATION

The information contained in this data sheet, as well as our advice, both written and provided orally or through tests, are given in good faith based on our experience and the results obtained through tests carried out by independent laboratories, and without serving as guarantee for the applicator, who should take them as merely indicative references and with strictly informative value. We recommend studying this information in depth before proceeding to the use and application of any of these products, although it is especially convenient to carry out tests "in situ" to determine the suitability of a treatment in place, with the purpose and conditions concrete that occur in each case.

Our recommendations do not exempt from the obligation that the applicator has to know in depth, the correct method of application of these systems before proceeding to their use, as well as to carry out as many preliminary tests as appropriate if there is doubt as to their suitability for any work, installation or repair, taking into account the specific circumstances in which the product will be used.

The application, use and processing of our products are beyond our control and, therefore, under the sole responsibility of the installer. Consequently, the applicator will be solely and exclusively responsible for the damages derived from total or partial non-observance of the use and installation manual and, in general, from the inappropriate use or application of these products.

This data sheet cancels previous versions.



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