BARRERA DE VAPOR 1331 SD

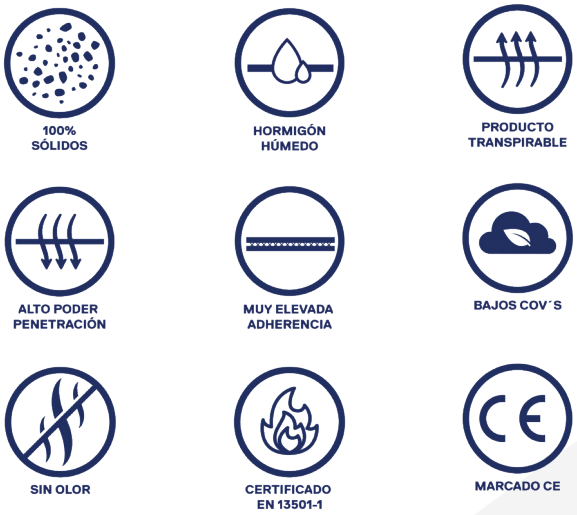
100% SOLIDS EPOXY RESIN FOR PRIMING WET SCREEDS

FORMAT

Kit A+B: 11 kg

PROPERTIES

Solvent-free, 100% solids
Excellent adhesion on concrete
High penetration into concrete
High transparency and hardness
Applicable on wet concrete
Waterproof after curing
High mechanical strength



PRODUCT DESCRIPTION

Two-component, solvent-free epoxy primer. The product can be used as a surface preparation and adhesion bridge for the application of epoxy and polyurethane finishes. Specially developed for damp substrates (max. 6% humidity, without puddling) and light-aged concrete. It acts as a temporary barrier against moisture from waste water in young concrete and concrete floors with poor ventilation.

USES/SCOPE OF APPLICATION

STEAM BARRIER 1331 SD should be used by professionals with experience in the application of floor paints. Suitable for use in car parks, industrial buildings, workshops, warehouses, production areas, laboratories, shops, etc. The product can be used outdoors provided it is coated with a suitable product.

REPORTS AND CERTIFICATES

Fire classification for floors Bfl-s1 according to EN 13501-1

Report on compliance with UNE-EN 13578, Compatibility with wet concrete (Report No. 23/32306879M1).

CE marking according to European Regulation No. 305/2011 in accordance with EN 1504-2 with declaration of performance 1170/CPR/ER.03587

Certificate of compliance with Directive 2004/42/EC on maximum content of Volatile Organic Compounds in paints and varnishes.

LEED v4 and v4.1 BETA Certificate of Compliance (Report 392-2024-00527501)

VOC emissions certificate in compliance with A+, ABG, EMICODE, Indoor Air Comfort and BlueAngel standards (392-2024-00527501)

CE
17
EUPINCA S.A.
C/ LONDRES, 13
POL. IND. CABEZO BEAZA
30353 – TORRECIEGA CARTAGENA
Nº CERTIFICADO: 1170/CPR/ER.03587
EN 1504-2:2004
PROTEK BARRERA DE VAPOR 1331 SD
REVESTIMIENTOS PARA LA PROTECCIÓN SUPERFICIAL
USOS:
AUMENTO DE LA RESISTIVIDAD
CONTROL DE LA HUMEDAD

CHARACTERISTICS

Type of resin	Epoxy / Polyamide	
Presentation	Component A: 6,9 kg Component B: 4,1 kg Kit A+B: 11 kg	(VAPOUR BARRIER 1331 SD) (EPOXY CATALYST 1330 SD)
Finishing	Brilliant	
Colour	Yellowish / Transparent	
Mixing ratio	1.67 : 1 by weight (A:B)	1.46 : 1 by volume (A:B)
Solids by Weight	100%	UNE-EN ISO 3251
Solids by volume	100%	UNE-EN ISO 23811
Dilution	Dilution is not recommended	
Diluent	Dilution is not recommended	

TECHNICAL INFORMATION

Density	Mixture A + B : 1.06 ± 0.05 g/mL	UNE-EN ISO 2811-1
Viscosity	Mixture A + B : 650 ± 300 mPa.s	ASTM D 2196-10
Volatile organic compound (VOC) content	EU maximum permitted value: 500 g/L	Directive 2004/42/II A (j)
Tensile adhesion	7 N/mm2 (concrete breakage)	UNE-EN 1542
Adhesion wet concrete	> 1.5 N/mm2	UNE-EN 13578
Impact resistance	ND	UNE EN ISO 6272-1
Shore hardness D	67 (After 7 days)	EN ISO 868
Water vapour permeability	Class II	UNE-EN ISO 7783 UNE-EN 1504-2
Permeability to liquid water	w < 0.1 kg/m2 - h0.5	UNE-EN 13578 UNE-EN 1504-2

Lifetime			
	10°C	60 min	Shelf life for 1 kg of mixture A+B
	20°C	40 min	
	30°C	30 min	

Drying time			
	10°C	48 h	UNE 48301 Dust drying
	20°C	16 h	
	30°C	10 h	

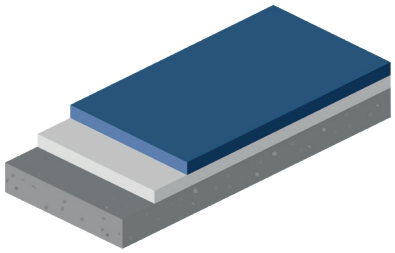
Repainting time		Myself		Solvent-based products	
		min	max	min	max
	10°C	60 h	7 days	72 h	8 days
	20°C	24 h	4 days	36 h	5 days
	30°C	12 h	3 days	18 h	4 days

Transitability		Pedestrian Traffic	Light Traffic	Full cure
	10°C	5 days	10 days	21 days
	20°C	48 h	7 days	14 days
	30°C	24 h	4 days	7 days

Note: Times are approximate and may be modified by environmental conditions and thickness applied.

APPLICATION SYSTEMS

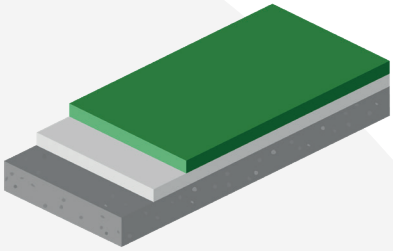
SOLVENT-FREE PAINT



	PRODUCT	RDTO.	LAYERS	THICKNESS
PRIMING	BARRERA DE VAPOR 1331 SD	0.2-0.3 kg/m2	1 o 2	0.2-0.3 mm
FINISH	EPOXI 1312 SD (*)	0.2-0.3 kg/m2	1 o 2	0.1-0.2 mm
TOTAL		0.4-0.6 kg/m2	2 o 3	0.3-0.5 mm

(*) Otras opciones de acabado: EPOXI PRIMER 1311 SD o EPOXI 1322 SD

SOLVENT-BASED PAINT



	PRODUCT	RDTO.	LAYERS	THICKNESS
PRIMING	BARRERA DE VAPOR 1331 SD	0.2-0.3 kg/m2	1 o 2	0.2-0.3 mm
FINISH	EPOXI 1512 (**)	0.1-0.2 kg/m2	1 o 2	0.05-0.1 mm
TOTAL		0.3-0.5 kg/m2	2 o 3	0.25-0.4 mm

(**) Otras opciones: POLIURETANO 2512, POLIURETANO 2112 GLASS. BARNIZ POLIURETANO 2113 GLASS

Note: These data are theoretical and do not take into account additional material costs due to porosity, roughness, losses, etc.

Note: For outdoor application it is recommended to use a protective top coat with a coloured product with high resistance to solar radiation such as POLYURETHANE 2512.

Note: For ease of maintenance it is recommended to use a final coat of protection with a clear varnish such as EPOXY VARNISH 1513 for interiors or POLYURETHANE VARNISH 2113 for exteriors.

IMPLEMENTATION PROCESS

ENVIRONMENTAL CONDITIONS

Application temperature: 10ºC to 30ºC.

Maximum 80% relative humidity.

Do not apply if rain is expected or at hours of maximum sunlight.

The substrate and ambient temperature must be at least 3ºC above the dew point during application to avoid condensation.

PREPARATION OF THE SUBSTRATE

The surface must be clean, compact, dry, free of dust or salts, free of efflorescence, free of loose or poorly adhering parts and free of any grease, oil or contamination that could interfere with the adhesion of the system.

The surface must be prepared with specialised machinery: milling, sanding or diamond grinding machines, depending on the condition of the substrate. Subsequently, the surface must be thoroughly brushed and vacuumed. The sanding or shot blasting process must leave a surface with sufficient porosity for the paint to anchor.
Materials in poor condition must be completely removed and cracks and areas in poor condition must be repaired until a sound, dry and clean substrate is obtained. Expansion joints must be respected and properly sealed with elastomeric material.

If necessary, use levelling or repair mortars to level the surface.

SUPPORT CONDITIONS

Dry or damp substrate with humidity < 6 % with CM meter.

Do not apply on waterlogged substrates.

Concrete substrates must have a compressive strength above 25 N/mm2 and a tensile strength above 1.5 N/mm2.

The residual setting moisture must be less than 6%.

PRODUCT PREPARATION

Stir with low speed mechanical means (300-400 RPM), until a good homogenisation of the product and its catalyst is achieved. Mix component A, add component B while stirring and keep stirring for 3 minutes. To ensure consistency, reintroduce part of the mixture into the can of component B, homogenise, reintroduce back into the mixing container and homogenise again.

The mixing life time should be taken into account in order not to prepare more product than can be used in that time. Once the mixing life has been exceeded, the product loses its properties and must be discarded. Partial mixing by weight or volume is not recommended.

Stir again periodically to homogenise the product.

PRODUCT APPLICATION

Depending on the thickness to be applied, different application methods can be used. The formation of a continuous and pore-free coats must be ensured by applying two coats or by increasing the thickness per coat if necessary. For medium to high thickness applications it is recommended to pass a spiked roller in cross directions to remove air.

The minimum and maximum recoating times for all products to be used must be observed. Otherwise, sanding and repainting will be necessary.

It can be applied by brush, short nap roller, rubber lip or airless spray gun with nozzle suitable for high viscosity products. Depending on the porosity of the concrete, 1 or 2 coats will be necessary.

The applied product must be protected from moisture and condensation for at least 24 hours.

TOOL CLEANING

The utensils used must be cleaned with solvent immediately after use.

Suitable solvents: EPOXY SOLVENT 370, INDUSTRIAL EPOXY SOLVENT 375, UNIVERSAL SOLVENT 302

ADDITIONAL INFORMATION

HEALTH AND SAFETY

For any information concerning safety issues in the use, storage, transport and disposal of this product, users should consult the labelling and the most recent version of the product's MSDS, which contains the safety, ecological and toxicological information on the product.

If the shelf life of the product is exceeded, an exothermic reaction takes place which produces heat. The more product is left in the container, the more heat is generated. If the temperature of the container rises or fumes are generated, place in a cool, well-ventilated place, ensuring thermal protection of the hands and holding the container by the handle.

Material Safety Data Sheet: MSDS-331

LER CODE: 08 01 11*.

WASTE: HAZARDOUS

TARIFF HEADING

TARIC code: 3907 30 00

STORAGE CONDITIONS

The storage should be in a cool and dry place (between 5 and 30ºC), in its original containers, well closed and not deteriorated, protected from frost and direct sunlight. The stability of the product in its original unopened containers, at ambient temperatures not higher than 30ºC and not lower than 5ºC shall be 12 months from the date of manufacture.

LEGAL NOTICE

The technical information given in this document as well as the recommendations concerning the application and use of the product are given in good faith, with data based on current knowledge of the product, laboratory tests and practical use under normal conditions of storage, handling and application. The complete reproducibility of the data given for each individual use is not guaranteed. The user of the product must test the suitability of the product according to the end use of the product. Users must know and use the most recent version of the technical and safety data sheets of the product.

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