

# EPOXI PRIMER 1511

## TWO-COMPONENT EPOXY PRIMER FOR SEALING FLOORS

### FORMAT

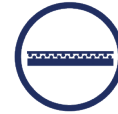
Kit A+B: 6 and 18 kg

### PROPERTIES

Good adhesion  
High hardness and elasticity  
Suitable for supports in poor condition  
Cement and concrete sealant  
Allows for long-term repainting  
Long mixing life



MUY ELEVADA  
ADHERENCIA



PAVIMENTOS POCO  
ACONDICIONADOS



ALTO PODER  
PENETRACIÓN



GRAN  
DUREZA



ALTA  
ELASTICIDAD



REPINTABLE A  
LARGO PLAZO



CERTIFICADO  
EN 13501-1

### PRODUCT DESCRIPTION

Two-component solvent-based epoxy primer for concrete floors, made from epoxy-polyamidoamine resins, resistant pigments and special inert fillers, which forms by polymerisation a hard, elastic film with excellent adhesion to the substrate. It also provides high resistance to aggressive environments.

### USES/SCOPE OF APPLICATION

EPOXI PRIMER 1511 should be used by professionals experienced in the application of floor coatings. The product is designed for use as a sealer primer for cement and concrete and can be used as a consolidant for floors in poor condition. Suitable for use in car parks, industrial warehouses, workshops, warehouses, production areas, etc. The product is resistant to outdoor conditions, but when not coated its aesthetic properties may vary due to the effect of solar radiation (colour changes and/or chalking), which does not affect the performance of the flooring.

### REPORTS AND CERTIFICATES

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

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

## CHARACTERISTICS

Type of resin	Epoxy / Polyamidoamine Adduct		
Presentation	Component A: 5 and 15 kg Component B: 1 and 3 kg Kit A+B: 6 and 18 kg	(EPOXY PRIMER 1511) (EPOXY CATALYST 1511)	
Finishing	Semi matte		
Colour	WHITE, GREY RAL chart and other colours on request		
Mixing ratio	5 : 1 by weight (A:B)	2.9 : 1 by volume (A:B)	
Solids by Weight	69-73% Mixture A+B		UNE-EN ISO 3251
Solids by volume	51-55% Mixture A+B		UNE-EN ISO 23811
Dilution	0-20% Depending on application system		
Diluent	EPOXY SOLVENT 370, INDUSTRIAL EPOXY SOLVENT 375		

Note: To obtain homogeneous colours, use the same production batch.

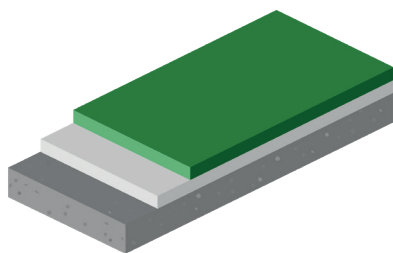
## TECHNICAL INFORMATION

Density	Mixture A + B : 1,43 ± 0,05 g/mL		UNE-EN ISO 2811-1		
Viscosity	Mixture A + B : 85 ± 10 KU		UNE 48076		
Volatile organic compound (VOC) content	EU maximum permitted value: 500 g/L		Directive 2004/42/II A (j)		
Tensile adhesion	5 N/mm <sup>2</sup> (concrete breakage)		UNE-EN 1542		
Abrasion resistance	ND		EN ISO 7784-1		
Impact resistance	ND		UNE EN ISO 6272-1		
Hardness Persoz	190 s (28 days)		UNE-EN ISO 1522		
Chemical resistance	ND		UNE-EN ISO 2812-3 UNE-EN ISO 4628		
Slip resistance	ND		UNE-EN 16155		
Lifetime	10°C	8 h	Shelf life for 1 kg of mixture A+B		
	20°C	6 h			
	30°C	4 h			
Drying time	10°C	6 h	UNE 48301 Dust drying		
	20°C	4 h			
	30°C	3 h			
Repainting time		Myself	Solvent-based products		
		min	max	min	max
	10°C	24 h	30 days	24 h	30 days
	20°C	12 h	30 days	12 h	30 days
	30°C	8 h	30 days	8 h	30 days
Transitability		Pedestrian Traffic	Light Traffic	Full cure	
	10°C	48 h	7 days	14 days	
	20°C	18 h	3 days	7 days	
	30°C	12 h	48 h	5 days	

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

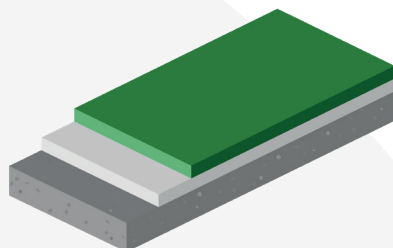
## APPLICATION SYSTEMS

### INDOOR FLOORING



	PRODUCT	RDTO.	LAYERS	THICKNESS
PRIMING	EPOXI PRIMER 1511	0.1-0.2 kg/m <sup>2</sup>	1 o 2	40-80 microns
FINISH	EPOXI 1512	0.1-0.2 kg/m <sup>2</sup>	1 o 2	40-90 microns
TOTAL		0.2-0.4 kg/m <sup>2</sup>	2 o 3	80-170 microns

### OUTDOOR FLOORING



	PRODUCT	RDTO.	LAYERS	THICKNESS
PRIMING	EPOXI PRIMER 1511	0.1-0.2 kg/m <sup>2</sup>	1 o 2	40-80 microns
FINISH	POLIURETANO 2512	0.1-0.2 kg/m <sup>2</sup>	1 o 2	50-100 microns
TOTAL		0.2-0.4 kg/m <sup>2</sup>	2 o 3	90-180 microns

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

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 indoor use or POLYURETHANE VARNISH 2113 for outdoor use.

Note: For application on concrete floors with moisture problems, use STEAM BARRIER 1331 SD as a primer.

## IMPLEMENTATION PROCESS

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**ENVIRONMENTAL CONDITIONS** Application temperature: 10°C to 35°C.  
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 3°C 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.

On excessively polished surfaces sand to open the pore.

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.

**SUPPORT CONDITIONS** Dry substrate with humidity < 4 % with CM meter.  
There shall be no rising damp measured by the polyethylene film method (ASTM E1907).  
Concrete substrates must have a compressive strength above 25 N/mm<sup>2</sup> and a tensile strength above 1.5 N/mm<sup>2</sup>.  
Allow cement mortars to set completely (28 days minimum).

**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. Allow 10 to 20 minutes induction time before application. Adjust the viscosity with a suitable thinner depending on the ambient conditions and the application process.

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** It can be applied by brush, roller, spray gun or airless spray gun. Ensure the formation of a continuous and pore-free coats, applying two coats or increasing the thickness per coat if necessary.

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

For brush or roller application dilute 0-10%. For spray application dilute up to 30 seconds viscosity Cup Ford N-4, with 10-20% of a suitable thinner. For airless spray application, dilute with 5-10% of thinner up to a viscosity of 60 seconds Cup Ford N-4.

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.

Material Safety Data Sheet: MSDS-324

LER CODE: 08 01 11\*.

WASTE: HAZARDOUS

**TARIFF HEADING**

TARIC code: 3208 90 91

**STORAGE CONDITIONS**

The storage should be in a cool and dry place (between 5 and 30°C), 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 30°C and not lower than 5°C 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.