



PROTEK EPOXI PRIMER 1511 (PAVIMENTOS)

TWO-COMPONENT EPOXY PRIMER FOR SEALING FLOORING

SALES FORMAT

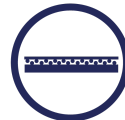
Kit A+B: 6 and 18 kg

PROPERTIES

- Good adhesion
- High hardness and elasticity
- Suitable for substrates in poor condition
- Sealer for cement and concrete
- Allows for repainting at a later date
- Long pot life



MUY ELEVADA
ADHERENCIA



PAVIMENTOS POCO
ACONDICIONADOS



ALTO PODER
PENETRACIÓN



GRAN
DUREZA



ALTA
ELASTICIDAD



REPINTABLE A
LARGO PLAZO



CERTIFICADO
EN 13501-1

PRODUCT DESCRIPTION

A two-component, solvent-based epoxy primer for concrete floors, formulated from epoxy-polyamidoamine resins, resistant pigments and special inert fillers, which, upon polymerisation, forms 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 must be used by professionals with experience in applying floor coatings. The product is designed for use as a sealing primer for cement and concrete and can be used to strengthen flooring in poor condition. Suitable for use in car parks, industrial units, workshops, warehouses, production areas, etc. The product is resistant to conditions outdoors, but when left uncoated its aesthetic properties may vary due to the effects of solar radiation (colour changes and/or fading), which does not affect the performance of the floor.

REPORTS AND CERTIFICATES

- Fire classification for flooring: Bfl-s1 in accordance with standard EN 13501-1
- Certificate of compliance with Directive 2004/42/EC on the maximum content of VOLATILE ORGANIC COMPOUNDS in paints and varnishes

FEATURES

Resin type	Epoxy / Polyamidoamine Adduct	
Introduction	Component A: 5 and 15 kg (EPOXY PRIMER 1511) Component B: 1 and 3 kg (EPOXY CATALYST 1511) Kit A+B: 6 and 18 kg	
Finish	Semi-matte	
Colour	White, grey. Other colours available subject to a minimum order quantity	
Mixing ratio	5:1 by weight (A:B) 2.9:1 by volume (A:B)	
Solids by Weight	69–73% A+B mixture	UNE-EN ISO 3251
Volume solids	51–55% A+B mixture	UNE-EN ISO 23811
Dilution	0–20 per cent, depending on the application method	
Diluents	EPOXY SOLVENT 370, INDUSTRIAL EPOXY SOLVENT 375	

Note: To ensure consistent colour, use products from the same production batch.

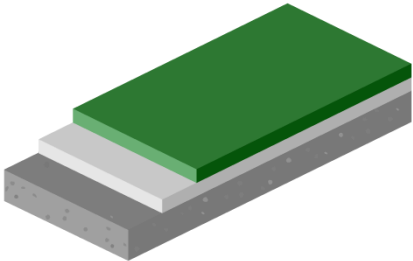
TECHNICAL INFORMATION

Density	A + B mixture: 1.43 ± 0.05 g/mL	UNE-EN ISO 2811-1
Viscosity	A + B mixture: 85 ± 10 KU	UNE 48076
Volatile organic compound (VOC) content	Maximum EU-permitted value: 500 g/L	Directive 2004/42/II A (j)
Tensile adhesion	5 N/mm² (concrete failure)	UNE-EN 1542
Abrasion resistance	ND	EN ISO 7784-1
Impact resistance	ND	UNE EN ISO 6272-1
Persoz Hardness	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
Service life	10°C 8 h 20°C 6 h 30°C 4 h	Pot life for 1 kg of A+B mixture
Drying time	10°C 12–16 h 20°C 6–8 h 30°C 2–3 h	UNE 48301 Powder coating
Recoating time	On its own min max 10°C 24 h 40 days 20°C 12 h 30 days 30°C 8 h 10 days	Solvent-based products min max 24 h 15 days 12 h 10 days 8 h 5 days
Once the surface is completely dry, it is recommended to sand it before repainting to improve adhesion between coats		
Traffic resistance	Pedestrian traffic Light traffic 10°C 48 h 7 days 20°C 18 h 3 days 30°C 12 h 48 h	Full cure 14 days 7 days 5 days

Note: The times given are approximate and may vary depending on environmental conditions and the thickness applied.

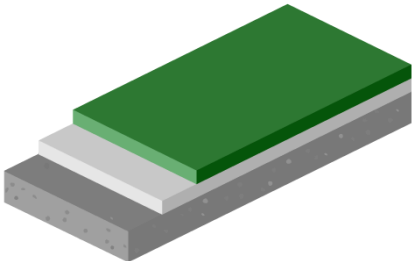
APPLICATION SYSTEMS

INDOR FLOORING



	PRODUCT	YIELD	COATS	THICKNESS
PRIMER	EPOXY PRIMER 1511	0,1-0,2 kg/m2	1 o 2	40-80 micras
FINISH	EPOXI 1512	0,1-0,2 kg/m2	1 o 2	40-90 micras
TOTAL		0,2-0,4 kg/m2	2 o 3	80-170 micras

OUTDOOR FLOORING



	PRODUCT	YIELD	COATS	THICKNESS
PRIMER	EPOXY PRIMER 1511	0,1-0,2 kg/m2	1 o 2	40-80 micras
FINISH	POLYURETHANE 2512	0,1-0,2 kg/m2	1 o 2	50-100 micras
TOTAL		0,2-0,4 kg/m2	2 o 3	90-180 micras

Note: These figures are theoretical and do not take into account additional material consumption due to porosity, surface roughness, wastage, etc.

APPLICATION PROCESS

ENVIRONMENTAL CONDITIONS	Application temperature: 10°C to 35°C. Maximum relative humidity of 80 per cent. Do not apply if rain is forecast or during periods of peak solar radiation. The surface and ambient temperatures must be at least 3°C above the dew point during application to prevent condensation.
PREPARATION OF THE SUBSTRATE	The surface must be clean, sound, dry, free from dust or salts, free from efflorescence, free from loose or poorly adhered parts, and free from any grease, oil or contamination that may interfere with the adhesion of the system. On excessively polished surfaces, sand to open the pores. 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 achieved.
SUPPORT CONDITIONS	Substrate must be dry with a moisture content of < 4 % as measured by a CM moisture meter. There must be no rising damp as measured using the polyethylene sheet method (ASTM E1907). Allow cement-based mortars to cure completely (minimum 28 days). Concrete substrates must have a compressive strength of over 25 N/mm² and a tensile strength of over 1.5 N/mm².
PRODUCT PREPARATION	Stir using low-speed mechanical means (300–400 rpm) until the product and its catalyst are thoroughly homogenised. Mix component A, add component B whilst stirring, and continue stirring for 3 minutes. Take the pot life into account so as not to prepare more product than can be used within that time. Once the pot life has elapsed, the product loses its properties and must be discarded. Partial mixing by weight or volume is not recommended. Stir periodically to ensure the product remains homogeneous. To ensure consistency, return part of the mixture to the Component B container, homogenise, return it to the mixing container and homogenise again. Allow 10 to 20 minutes' induction time before application. Adjust the viscosity with a suitable solvent depending on ambient conditions and the application process.
PRODUCT APPLICATION	Can be applied by brush, roller, airbrush or airless spray gun. Ensure a continuous, pore-free finish by 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. Failure to do so will require sanding and repainting. For application by brush or roller, dilute by 0–10 per cent. For application by airbrush, dilute to a viscosity of 30 seconds on the Ford N-4 Cup, using 10–20 per cent of a suitable solvent. For application by airless spray gun, dilute with 5–10 per cent solvent to a viscosity of 60 seconds on the Ford N-4 Cup. The applied product must be protected from moisture and condensation for at least 24 hours.
CLEANING OF TOOLS	Tools 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 regarding safety issues relating to the use, storage, transport and disposal of waste from this product, users should consult the labelling and the latest version of the product's Safety Data Sheet, which contains information on the product's safety, environmental impact and toxicology. Safety Data Sheet: MSDS-324. LER CODE: 08 01 11*. WASTE: HAZARDOUS
TARIFF HEADING	TARIC code: 3208 90 91
STORAGE CONDITIONS	The product must be stored in a cool, dry place (between 5 and 30°C), in its original, tightly sealed and undamaged packaging, protected from frost and direct sunlight. The product will remain stable in its original, unopened containers at ambient temperatures not exceeding 30°C or falling below 5°C for 12 months from the date of manufacture.
LEGAL NOTICE	The technical information contained in this document is provided in good faith, based on laboratory tests and practical experience under normal conditions. However, the data may vary, particularly when the material is tinted or when using intense colours, in which case parameters such as density or solids by volume may be affected without compromising the product's performance. Users are advised to verify the product's suitability for their specific application and to request the relevant colour safety data sheet from their distributor for reference.

