



PROTEK EPOXI PRIMER 1516 HIERRO MICÁCEO



SALES FORMAT

21 kg KIT

DESCRIPTION

A high-build, two-component intermediate coat based on epoxy-polyamidoamine resins, which can be recoated with both two-component and conventional paints, and may be left as a topcoat due to its excellent durability. Its formulation includes micaceous iron, which provides an excellent barrier effect when used as an intermediate coat between the anti-corrosive primer and the topcoat.

SCOPE OF APPLICATION

Outdoors/Indoor
Iron
Steel
Galvanised steel
Lightweight alloys
Polyester

PROPERTIES

- Complies with UNE 48295 (OTEC-08033)
- Good adhesion
- High hardness and elasticity
- Resistant to chemicals
- Corrosion Protection
- Abrasion resistance
- Can be repainted in the long term
- Pot life: 8 hours at 20°C / 2 hours at 40°C

TECHNICAL DATA

Chemical composition	Epoxy resin + polyamidoamine additive	
Colour	Light grey. Other colours available subject to a minimum order quantity	
Finish	Semi-matte	
Density (A+B)	1.36 ± 0.05 g/ml	UNE-EN ISO 2811-1
Viscosity (Component A)	2000–4000 mPa·s	ASTM D2196-10
Volume solids (A+B)	47–51%	UNE-EN ISO 23811
Moisture resistance	1000 h	ISO 6270-1 (OTEC-08033)
Solvent resistance	OK	ISO 2812-1 (OTEC-08033)
VOC	< 500 g/L. Maximum value permitted by the EU: 500 g/L	2004/42/II Category (j)
Theoretical coverage	6–8 m ² /L – 4–6 m ² /kg (70 microns dry film thickness)	
Drying times – Touch-dry	40 mins	
Drying times – Through-drying	8–12 hours	
Drying times – Full cure	7 days	
Recoating time	Minimum 16 hours Maximum 30 days	
Dilution	0–20% depending on the application method	
Diluents	SOLVENT-BASED EPOXY ESTUFA 370 or INDUSTRIAL EPOXY 375	
Cleaning	SOLVENT-BASED EPOXY ESTUFA 370 or INDUSTRIAL EPOXY 375	

The technical data specified may vary if the material is tinted.

PREPARATION OF THE SUBSTRATE

GENERAL INFORMATION

Outdoors, do not apply if rain is forecast, in full midday sun or on damp days. Once fully cured, it is recommended to sand the surface before repainting.

CONCRETE, CEMENT OR POLYESTER SURFACES

Clean the surface and apply one or two coats of EPOXI PRIMER 1521 GLASS. In the case of floors, it is advisable to open the surface pores using chemical or mechanical methods. Then apply one or two coats of EPOXI PRIMER 1516 MICA IRON.

PREPARATION OF THE SUBSTRATE

UNPAINTED IRON OR STEEL SURFACES

Remove any rust and mill scale, using suitable scrapers or wire brushes; degrease and clean off dust and dirt; and sand carefully until all rust residues have been removed from the surface; if necessary, sandblast to Sa 2 1/2. Next, apply one or two coats of EPOXI PRIMER 1514 ANTICORROSIVE 2C, followed by one or two coats of EPOXI PRIMER 1516 MICACEOUS IRON.

GALVANISED STEEL, ALUMINIUM AND GENERAL DIFFICULT SURFACES

Degrease and clean the surface with an alkaline solution or Epoxy Solvent. On excessively glossy surfaces, light sanding is recommended where possible. Apply one coat of EPOXI PRIMER 1516 MICACEOUS IRON.

IRON OR STEEL SURFACES THAT HAVE ALREADY BEEN PRIMED OR PAINTED

Remove any coats of paint that are not perfectly adhered and then proceed as indicated for unpainted iron surfaces in those areas where deemed appropriate.

APPLICATION CONDITIONS

Substrate temperature	Min. +10°C / Max. +35°C
Ambient temperature	10°C / 35°C
Dew Point	The substrate temperature must be at least 3°C above the dew point to reduce the risk of flaking or efflorescence.

APPLICATION SYSTEM

System	Product	Yield	Dilution	Coats
PRIMING	EPOXY PRIMER 1514 ANTI-CORROSIVE	6–8 m ² /L – 3–5 m ² /kg (70 microns dry film thickness)	0–20% DEPENDING ON THE APPLICATION SYSTEM: SOLVENT-BASED EPOXY ESTUFA 370	1 or 2
INTERMEDIATE PRIMER	EPOXY PRIMER 1516 MICACEOUS IRON	6–8 m ² /L – 4–6 m ² /kg (70 microns dry film thickness)	0–20% DEPENDING ON THE APPLICATION SYSTEM: SOLVENT-BASED EPOXY ESTUFA 370	1
FINISH	POLYURETHANE 2512	11–13 m ² /L – 9–11 m ² /kg (40 microns dry film thickness)	5–20% DEPENDING ON THE APPLICATION SYSTEM – SOLVENT-BASED POLYURETHANE 310	2

APPLICATION RECOMMENDATIONS

Product preparation:	Stir until the product and its catalyst are thoroughly mixed. Mix in a ratio of 6:1 by weight or 3.8:1 by volume (base:catalyst), stir and leave to stand for 10–20 minutes before application. Use the mixture within 8 hours at 20°C or 2 hours at 40°C. Stir periodically. Adjust the viscosity.
Application method:	Can be applied by brush, roller, airbrush or airless spray gun. For application by brush or roller, dilute by 0–10% with EPOXY SOLVENT 370. For application by airbrush, dilute to a viscosity of 28–32 seconds on the Ford N-4 Cup using 10–20% of the same solvent. For application by airless spray gun, dilute to a viscosity of 60 seconds on the Ford Cup N-4, using 0–5% of the same solvent.

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 Safety Data Sheet, which contains physical, ecological and toxicological data, as well as other relevant information on this subject. WASTE: HAZARDOUS. LER CODE: 080111

Storage

The product will remain stable in its original, unopened packaging at ambient temperatures not exceeding 30°C or falling below 5°C for 12 months from the date of manufacture. The product must be stored in a cool, dry place, in its original, tightly sealed, undamaged packaging, protected from frost and direct sunlight.

Tariff heading

TARIC code: 3208 90 91

Note

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 suitability of the product for their specific application and to request the relevant colour safety data sheet from their distributor for reference.