



ESMALTE ANTIOXIDANTE FORJA BRILLO PU 2C

SALES FORMAT

BASE KIT: 4L, 750ML



DESCRIPTION

Two-component polyurethane enamel, based on hydroxyacrylic resins and aliphatic isocyanates, offering excellent hardness, flexibility, gloss and adhesion, as well as high resistance to atmospheric agents. Anti-corrosive primer and topcoat with a metallic finish, based on micaceous iron oxide and corrosion inhibitors, for the protection and decoration of all types of iron or steel products.

SCOPE OF APPLICATION

Outdoors/Indoor
Street lamps
Balustrades, railings, gates
Garden furniture
Industrial chemical structures
Marine environments
Flooring

PROPERTIES

- Excellent hardness and elasticity
- Resistance to atmospheric agents
- Abrasion-resistant
- Impact-resistant
- Chemical resistance
- Does not blister or yellow
- Excellent adhesion
- Pot life: 6 hours at 20°C

Disponible **TKROMATIC**

TECHNICAL DATA

Chemical composition	Hydroxyl-functional acrylic + polyisocyanate	
Colour	Colour chart and colours	
Metallic Finish	Wrought-iron effect	
Density (Component A)	1.48–1.52 g/ml	UNE-EN ISO 2811-1
Viscosity (Component A)	120–140 KU	UNE 48076
Volume solids (A+B)	49–53%	UNE-EN ISO 23811
Fire classification	A2-s1,d0	UNE-EN 13501-1 5237T24-2
VOC	< 500 g/L. Maximum value permitted by the EU: 500 g/L	2004/42/II Category (j)
Theoretical coverage	5–7 m ² /L – 3–5 m ² /kg (85 dry microns)	
Drying times	Touch-dry: 30 mins Fully dry: 6–8 hours Fully cured: 7 days	
Recoating time	Between 16 hours and 4 days	
Dilution	0–5% depending on the application method	
Diluents	DISOL. POLYURETHANE 310 DISOL. SPECIAL PU 315	
Cleaning	UNIVERSAL SOLVENT 302	

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.

UNPAINTED IRON, STEEL AND OTHER METALS WITH POOR ADHESION

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. If you wish to further enhance the anti-corrosive effect, first apply a coat of EPOXI PRIMER 1521 GLASS. Then apply one or two coats of ESMALTE ANTIOXIDANTE FORJA BRILLO PU 2C.

PREPARATION OF THE SUBSTRATE

PAINTED IRON, STEEL AND OTHER METALS WITH POOR ADHESION

Ensure there is no rust and check that the old paint coats adhere perfectly to the substrate; also check that the product does not strip the old paint. Wash the surface and sand it down to remove any sheen before applying one or two coats of ESMALTE ANTIOXIDANTE FORJA BRILLO PU 2C. If the old paint is in poor condition, remove it completely and prepare the surface properly before applying as indicated for new surfaces.

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 peeling or efflorescence.

APPLICATION SYSTEM

System	Product	Yield	Dilution	Coats
PRIMING (Iron or steel)	EPOXY PRIMER 1514 ANTI-CORROSIVE	6–8 m ² /L – 3–5 m ² /kg (70 microns dry film thickness)	5–15% DEPENDING ON THE APPLICATION SYSTEM: SOLVENT-BASED EPOXY, OVEN 370	1 or 2
PRIMING (Difficult surfaces)	EPOXY PRIMER 1521 GLASS	7–9 m ² /L – 4–6 m ² /kg (70 dry microns)	5–15% DEPENDING ON THE APPLICATION SYSTEM: SOLVENT-BASED EPOXY, OVEN 370	1
FINISH	ESMALTE ANTIOXIDANTE FORJA BRILLO PU 2C	5–7 m ² /L – 3–5 m ² /kg (85 dry microns)	5–20% DEPENDING ON THE APPLICATION SYSTEM – SOLVENT-BASED POLYURETHANE 310	1 or 2

APPLICATION RECOMMENDATIONS

Product preparation:	Stir until the product and its catalyst are thoroughly mixed. Mix in a ratio of 7.3:1 by weight or 4:1 by volume (base:catalyst), stir and leave to stand for 10 minutes before application. Use the mixture within 6 hours at 20°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 0.5–1% with POLYURETHANE SOLVENT 310. For application by airbrush, dilute with up to 5% of the same solvent. For application by airless spray gun, dilute with up to 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 data provided in this technical data sheet may be subject to change depending on possible variations in formulation and, in any case, represent indicative values which do not exempt the user from carrying out the necessary tests to ensure the product is suitable for a specific job. For any queries regarding the treatment of the surfaces mentioned above or the painting of other specific materials not covered in this data sheet, please consult GRUPO's accredited technical staff for the appropriate treatment.