



Esmalte Sintetico Con Poliuretano

SALES FORMAT

COLOURS: 4L, 750ML, 250ML
BASES: 4L, 750ML



DESCRIPTION

General-purpose synthetic enamel formulated with alkyd and polyurethane resins. High performance, excellent brushability, hardness and scratch resistance. It provides the surfaces to which it is applied, both indoors and outdoors, with smooth, hard and elastic finishes that are highly decorative and durable. It offers corrosion protection.

SCOPE OF APPLICATION

Outdoors/Indoor
Pre-primed metal
Iron
Wood
Bricklaying
DIY projects

PROPERTIES

- Does not crack
- Excellent workability
- Retention of initial gloss
- High penetration power
- High resistance to atmospheric agents
- Odourless once dry
- Gloss, Satin and Matte

Disponibile **TKROMATIC**

TECHNICAL DATA

Chemical composition	Alkyd and polyurethane resins	
Gloss finish	60° gloss: >95	UNE-EN ISO 2813
Satin finish	60° gloss: 40-50	UNE-EN ISO 2813
Matte finish	85° gloss: <10	UNE-EN ISO 2813
Density	1.20 ± 0.10 g/mL depending on the finish	UNE-EN ISO 2811-1
Viscosity	80 ± 20 KU	UNE 48076
Volume solids	33 ± 10% depending on the finish	UNE EN ISO 23811
Perso Hardness	58s (14 days)	UNE-EN ISO 1522
Levelling and sagging index	8/150 microns (+5% solvent 345)	UNE 48043 / ISO 16862
VOC	< 500 g/L. Maximum value permitted by the EU: 500 g/L	2004/42/II Category (i)
Theoretical coverage	11-13 m ² /L (40 dry microns)	
Drying times	Touch-dry: 30 mins Fully dry: 6 hours	
Recoating time	6 h	
Dilution	5-20%	
Diluents	SYNTHETIC AND FATTY SOLVENTS 345	
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. Surfaces to be painted must be clean, dry and free from dust, grease or dirt. Depending on the type of substrate, any rust or other residues must be removed and a suitable primer considered. For very smooth surfaces, sanding may be necessary.

NEW/WEATHERED WOOD SURFACES

Remove any cracked or poorly adhered areas. Use filler to correct imperfections and irregularities. Sand the wooden surface in the direction of the grain. The moisture content of the wood must be less than 15%. It is advisable to apply a coat of UNIVERSAL SEALING PRIMER to seal the wood, providing excellent filling power. Sand lightly before applying the SYNTHETIC POLYURETHANE ENAMEL.

PREPARATION OF THE SUBSTRATE

IRON OR STEEL SURFACES

The surface must be free of mill scale, rust and loose foreign matter; remove these using a mechanical wire brush. It is recommended to achieve a cleanliness grade of ST2, in accordance with the guidelines of ISO 8501. To ensure adhesion, the surface must be roughened by mechanical means in accordance with the guidelines of ISO 8501, until a cleanliness grade of Sa 2 1/2 (abrasive blasting) or St3 (mechanical abrasive disc) is achieved. Apply one or two coats of protective primer prior to the topcoat, such as SYNTHETIC PRIMER; outdoors, it is preferable to use a primer with anti-corrosive pigments, such as SYNTHETIC ANTI-CORROSIVE PRIMER.

GALVANISED STEEL AND PVC

Sand the surface with an abrasive scourer until it is matt to improve adhesion. Degrease the surface with an ammonia-based detergent. Apply one coat of PRIMER 4515 MULTI-PURPOSE, which is particularly suitable for surfaces where adhesion is difficult.

POLYCARBONATE, POLYESTER, ALUMINIUM

Sand the surface with an abrasive scour pad until it is matt to improve adhesion. Degrease the surface with DISOLVENTE 302 UNIVERSAL. For aluminium surfaces, it is recommended to degrease using NITRO CARROCERIA SOLVENT 305. Apply one coat of MULTI-PURPOSE PRIMER 4515, which is particularly suitable for surfaces where adhesion is difficult.

BRICKWORK

Substrate types: rendering mortars, plasterboard, concrete, fibre cement and other building materials. Regardless of the substrate to be painted, the surface must be levelled and any differences in texture, gloss, absorbency, etc. must be corrected. Apply Imprimación Selladora Universal as a primer for this type of substrate. Cement-based mortars must be allowed to set completely (minimum 28 days). Cement-based products must be left to dry for at least 4 days before coating.

APPLICATION CONDITIONS

Substrate temperature	Min. + 5°C / Max. + 35°C
Ambient temperature	5°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 (Iron, Steel)	SYNTHETIC ANTI-CORROSIVE PRIMER	7-9 m ² /L per coat	0-25% DEPENDING ON APPLICATION METHOD: SYNTHETIC SOLVENT 345	1 or 2
PRIMING (Galvanised steel, Aluminium, Polyester, PVC, PC)	PRIMER 4515 MULTI-PURPOSE	6-8 m ² /L per coat	5-15% DEPENDING ON THE APPLICATION SYSTEM: UNIVERSAL SOLVENT 302	1 or 2
FINISH	SYNTHETIC PU ENAMEL	11-13 m ² /L per coat	0-30% DEPENDING ON APPLICATION SYSTEM: SYNTHETIC SOLVENT 345	1 or 2

APPLICATION RECOMMENDATIONS

Product preparation:	Shake to homogenise the product. Shake again periodically. Adjust the viscosity. During lengthy processes, evaporation will occur; readjust the viscosity.
Application method:	<p>SYNTHETIC POLYURETHANE ENAMEL can be applied with a brush, short-pile roller, foam roller or airbrush.</p> <p>Apply evenly, spreading the product as thinly as possible to achieve a wet film thickness of 80 microns; this will prevent long drying times, wrinkling, dirt entrapment, etc.</p> <p>For application with a roller or brush: It is recommended to dilute with 0-5% SOLVENT 345 SYNTHETIC AND OIL-BASED. Two coats of 80 wet microns are recommended for full coverage; this thickness may vary depending on the tinted colour.</p> <p>For application by airbrush: it is recommended to dilute until a viscosity of 20 seconds on the FORD cup at 25°C is achieved. Use a 1.5 mm diameter nozzle and low air pressure (3 kg/cm²).</p>

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 24 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: 3209 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.