



ESMALTE ANTIOXIDANTE FORJA BRILLO PU 2C

SALES FORMAT

BASE KIT: 4L, 750ML

DESCRIPTION

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

SCOPE OF APPLICATION

Exterior/Interior
Street lamps
Railings, gates, gates
Garden furniture
Structures chemical industries
Installations in marine environments
Soils

PROPERTIES

- Excellent hardness and elasticity
- Resistance to atmospheric agents
- Abrasion resistant
- Impact resistant
- Chemical resistance
- No blistering or yellowing
- Very good adhesion
- Shelf life of the mixture: 6h at 20°C

Disponible **TKROMATIC**

TECHNICAL DATA

Chemical composition	Acrylic hydrox.+ polyisocyanate	
Colour	Chart and colours	
Metallic Finish	Forge effect	
Density (Component A)	1.48-1.52 g/ml	UNE-EN ISO 2811-1
Viscosity (Component A)	120-140 KU	UNE 48076
Solids by volume	73-75%	UNE-EN ISO 3251
VOC	< 500 g/L . Maximum value allowed by the EU: 500 g/L.	2004/42/II A classification (j)
Theoretical performance	5-7 m ² /L - 3-5 m ² /Kg (85 microns dry)	
Drying times	Touch-drying	30 min
	Total drying	6-8 h
	Full cure	7 days
Repainting time	Between 16 h and 4 days	
Dilution	0-5% depending on application system	
Diluent	TKROM DISOL. POLIURETANO 310 / TKROM DISOL. PU ESPECIAL 315	
Cleaning	TKROM DISOLVENTE UNIVERSAL 302	

PREPARATION OF THE SUBSTRATE

GENERAL

Outdoors, do not apply if rain is expected, in full midday sun or on humid days.

UNPAINTED IRON OR STEEL SURFACES AND METALS OF DIFFICULT ADHESION

Remove any rust and mill residues with suitable spatulas or wire brushes, degrease and clean of dust and dirt and sand carefully to remove surface rust residues, if necessary sandblast to Sa 2 1/2. If the corrosion protection effect is to be further enhanced, apply a coat of TKROM IMPRIMACIÓN EPOXI TK-GLASS 2C beforehand. Then apply one or two coats of TKROM ESMALTE ANTIOXIDANTE FORJA BRILLO PU 2C.

PAINTED IRON OR STEEL SURFACES AND HARD-TO-BOND METALS

Make sure that there is no rust and check that the old layers of paint adhere perfectly to the substrate and that the product does not remove the old paint. Wash the surface and sand to remove the gloss before applying one or two coats of TKROM ESMALTE ANTIOXIDANTE FORJA BRILLO PU 2C. If the old paint is in bad condition, remove it completely and prepare the surface properly before applying as indicated for new surfaces.

CONDITIONS OF APPLICATION

Substrate Temp.	Min. + 5°C / Max. + 35°C
Ambient Temperature	5°C / 35°C
Rocio Point	The substrate temperature must be at least 3°C above the dew point to reduce the risk of detachment or efflorescence.

APPLICATION SYSTEM

APPLICATION SYSTEM	PRODUCT	PERFORMANCE	DILUTION	LAYERS
PRIMER (Iron or steel)	TKROM IMPRIMACION EPOXI 2C ANTICORROSIVA	6-8 m ² /L - 3-5 m ² /Kg (70 microns dry)	5-15% DEPENDING ON APPLICATION SYSTEM TKROM DISOLVENTE EPOXI ESTUFA 370	1 o 2
PRIMER (Difficult surfaces)	TKROM IMPRIMACIÓN EPOXI 2C TKROM GLASS	7-9 m ² /L - 4-6 m ² /Kg (70 microns dry)	5-15% DEPENDING ON APPLICATION SYSTEM TKROM DISOLVENTE EPOXI ESTUFA 370	1
FINISH	TKROM ESMALTE ANTIOXIDANTE FORJA BRILLO PU 2C	5-7 m ² /L - 3-5 m ² /Kg (85 microns dry)	5-20% DEPENDING ON APPLICATION SYSTEM TKROM DISOLVENTE POLIURETANO 310	1 o 2

RECOMMENDATIONS FOR IMPLEMENTA-

Product preparation: Shake until a good homogenisation of the product and its catalyst is achieved. Mix in a ratio of 6:1 by weight or 4:1 by volume (base:catalyst), stir and wait 10 minutes before applying. Use the mixture within 6 hours at 20°C. Re-stir periodically. Adjust viscosity.

Method of application: It can be applied by brush, roller, spray gun or airless spray gun.

For brush or roller application dilute 0.5-1% with TKROM DISOLVENTE POLIURETANO 310.

For spray gun application dilute up to 5% of the same solvent.

For airless spray application, dilute up to 5% of the same thinner.

ADDITIONAL DATA

Health and safety

For any information concerning safety issues in the use, storage, transport and disposal of this product, users should refer to the labelling and the most recent version of the MSDS, which contains physical, ecological, toxicological and other relevant data. WASTE: HAZARDOUS. LER CODE: 080111

Storage

The stability of the product in its original unopened containers, at ambient temperatures of not more than 30 °C and not less than 5 °C shall be 12 months from the date of manufacture. Storage shall be in a cool, dry place, in their original containers, tightly closed, undamaged and protected from frost and direct sunlight.

Tariff heading

TARIC code: 3208 90 91

Note

Note: The data indicated in this technical data sheet may be modified according to possible variations in formulation and in any case express indicative values that do not exempt from carrying out the appropriate tests on the suitability of the product for a specific job. For any doubts regarding the treatment of the surfaces mentioned above or for the painting of other specific materials not covered in this data sheet, consult the appropriate treatment with technical personnel accredited by the TKROM GROUP.