



ESMALTE POLIURETANO 2C

SALES FORMAT

KIT COLOURS: 15Kg, 5Kg

BASE KIT: 15L, 4L, 750ML



DESCRIPTION

Two-component polyurethane enamel, based on hydroxyacrylic resins, aliphatic isocyanates and lightfast and weather-resistant pigments. When polymerised, it forms a hard, glossy film with high elasticity and adhesion. It is exceptionally resistant to atmospheric agents, lubricating oils, solvents and aggressive chemicals.

SCOPE OF APPLICATION

Exterior/Interior
Structures chemical industries
Soils
Installations in marine environments

PROPERTIES

- Excellent hardness and elasticity
- Resistance to atmospheric agents
- Abrasion resistant
- Impact resistant
- Very good adhesion
- Does not form blisters
- Non-yellowing
- Mixing time: 4h at 20°.

Disponible **TKROMATIC**

TECHNICAL DATA

Chemical composition	Acrylic hydrox.+ polyisocyanate		
Colour	White and colours		
Glossy finish	Brightness (60°): 96 ± 5	UNE-EN ISO 2813	OTEC-08034
Density (Component A)	1.25-1.29 g/ml	UNE-EN ISO 2811-1	
Viscosity (Component A)	70-80 KU	UNE 48076	
Solids by volume	48-50%	UNE-EN ISO 23811	
Personal hardness	255 s	UNE-EN ISO 1522	OTEC-08034
Slip resistance	Rd > 45 / Class 3 (%2B10% Aggregate)	UNE 41901	NO. 078004
Fire classification	B-s1,d0 / Bfl-s1	UNE-EN 13501-1	3803T19-2/3900T19
VOC	< 500 g/L . Maximum value allowed by the EU: 500 g/L.	2004/42/II A classification (j)	

Theoretical performance 11-13 m²/L - 9-11 m²/Kg (40 microns dry)

Drying times	Touch-drying	60 min
	Total drying	6-8 h
	Full cure	7 days

Repainting time Between 16 h and 4 days

Dilution 5-20% depending on application system

Diluent TKROM DISOL. POLIURETANO 310 / TKROM DISOL. ESPECIAL PU 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.

GALVANISED STEEL AND ALUMINIUM SURFACES

Degrease and clean the surface. Apply a coat of Wash Primer, Shop Primer or TKROM IMPRIMACIÓN EPOXI TK-GLASS 2C. After a suitable time interval, apply one or two coats of TKROM ESMALTE POLIURETANO 2C.

UNPAINTED IRON OR STEEL SURFACES

Remove any rust and mill scale 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. Then apply one or two coats of TKROM IMPRIMACIÓN EPOXI ANTICORROSIVA or TKROM IMPRIMACIÓN POLIURETANO 2C. After the set time has elapsed, apply one or two coats of TKROM ESMALTE POLIURETANO 2C.

PAINTED IRON OR STEEL SURFACES

Remove any paint layers that are not perfectly adhered and then proceed as described for unpainted iron surfaces.

CONCRETE OR CEMENT SURFACES

First apply one or two coats of TKROM IMPRIMACIÓN EPOXI SELLADORA or TKROM IMPRIMACIÓN POLIURETANO 2C or directly two coats TKROM ESMALTE POLIURETANO 2C, diluting in this case the first coat from 10% to 15% with TKROM DISOLVENTE POLIURETANO 310 or TKROM DISOLVENTE POLIURETANO ESPECIAL 315. In the case of floors, it is advisable to open the pore of the surface by chemical or mechanical means.

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 2C ANTICORROSIVE EPOXY PRIMER	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 POLIURETANO 2C	11-13 m ² /L - 9-11 m ² /Kg (40 microns dry)	5-20% DEPENDING ON APPLICATION SYSTEM TKROM DISOLVENTE POLIURETANO 310	2

RECOMMENDATIONS FOR IMPLEMENTA-

Product preparation: Shake until a good homogenisation of the product and its catalyst is achieved. Mix in the ratio of 4:1 by weight or 3.75:1 by volume (base:catalyst), stir and apply to allow the reaction activation to start. Use the mixture within 4 hours at 20°C. Shake 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 5-10% with TKROM DISOLVENTE POLIURETANO 310.

For spray gun application dilute up to a viscosity of 28-32 seconds Cup Ford N-4, with 15-25% of the same solvent.

For airless spray application, dilute up to a viscosity of 60 seconds Cup Ford N-4, with 5-10% of the same solvent.

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 to check 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.