



ESMALTE EPOXI 2C

SALES FORMAT

KIT COLOURS: 15Kg, 5Kg

BASE KIT: 15L, 4L, 750ML



DESCRIPTION

Two-component enamel, based on epoxy-polyamidoamine resins and high solidity pigments. When dry, it forms a glossy, hard, elastic film with high resistance to abrasion (see product application data) and to dilute solutions of acids and alkalis, which makes it particularly suitable for use in interior paving.

SCOPE OF APPLICATION

Inside
Metal
Indoor flooring
Concrete
Cement

PROPERTIES

- High adhesion
- High hardness and elasticity
- Resistance to chemical agents
- Abrasion resistance
- Impact resistance
- Dustproof
- Passable after 48 h
- Mixing time: 8h 20°C / 2h 40°C

Disponible **TKROMATIC**

TECHNICAL DATA

Chemical composition	Epoxy resin + Ad. polyamidoamine		
Colour	White and colours		
Finishing	Brilliant		
Brightness (60°):	100 ± 5	ISO 2813	
Density (Component A)	1-53-1,57 g/ml	UNE- EN ISO 2811-1	
Viscosity (Component A)	70-80 KU	UNE 48076	
Solids by volume	58-60%	UNE-EN ISO 23811	
Slip resistance	Rd > 45 / Class 3 (%2B25% Aggregate)	UNE 41901	Nº12612
Fire classification	B-s1,d0 / Bfl-s1	UNE-EN 13501-1	3806T19-2/3805T19
VOC	< 500 g/L . Maximum value allowed by the EU: 500 g/L.	2004/42/II A classification (j)	

Theoretical performance 14-16 m²/L - 9-11 m²/Kg (40 microns dry)

Drying times	Touch-drying	45 min
	Total drying	6-8 h
	Full cure	7 days

Dilution 5-20% depending on application system

Diluent TKROM DISOLVENTE EPOXI ESTUFA 370

Cleaning TKROM DISOLVENTE EPOXI ESTUFA 370

PREPARATION OF THE SUBSTRATE

GENERAL

In exteriors, do not apply if rain is expected, if it is in full midday sun or on humid days. Although the physical-chemical resistance to the exterior is unbeatable, it must be taken into account that chalking may occur on its surface, and the integrity of the colour and gloss cannot be guaranteed, therefore in high performance exterior finishes it should be used TKROM ESMALTE POLIURETANO 2C.

GALVANISED STEEL AND ALUMINIUM SURFACES

Degrease and clean the surface. Apply a coat of Wash Primer, Shop Primer or IMPRIMACIÓN TKROM GLASS EPOXI 2C. After a suitable time interval, apply one or two coats of TKROM ESMALTE EPOXI 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 IMPRIMACION EPOXI ANTICORROSIVA. After the set time has elapsed, apply one or two coats of TKROM ESMALTE EPOXI 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

It is important to consider the humidity of the substrate, which should be less than 5%. This humidity can come from three possible sources, the first being that the concrete has not finished setting (remember that it is necessary to wait at least four weeks), the second in the cleaning by surface wetting, two days of drying time will be sufficient, and finally the third, and the least controllable, which comes from the water table, and which will oscillate up and down, depending on rainfall, nearby watercourses and in general environments where flows are channelled that may affect the substrate. In the latter case, it will be difficult to solve the problem.

The result of application in the face of the problems described will be surface glazes that may include chalking, stickiness due to migration of the catalyst to the surface and blistering of considerable diameter. Once the problem of the humidity of the substrate has been solved, proceed as follows: starting from a smooth surface with adequate porosity (it is advisable, in the case of floors, to open the pore of the surface by chemical or mechanical means), first apply one or two coats of TKROM IMPRIMACION EPOXI SELLADORA 2C or directly two coats of TKROM ESMALTE EPOXI 2C, diluting in this case the first coat 10 to 15% with TKROM DISOLVENTE EPOXI 370.

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 (Concrete or Cement)	TKROM IMPRIMACION EPOXI 2C SELLADORA	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 EPOXI 2C	14-16 m ² /L - 9-11 m ² /Kg (40 microns dry)	5-20% DEPENDING ON APPLICATION SYSTEM TKROM DISOLVENTE EPOXI ESTUFA 370	2

RECOMMENDATIONS FOR IMPLEMENTA-

Product preparation: Shake until a good homogenisation of the product and its catalyst is achieved. Mix in a ratio of 4:1 by weight (base:catalyst), shake and wait 10 minutes before applying. Use the mixture within 8 hours at 20°C or 2 hours at 40°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 0-10% with TKROM DISOLVENTE EPOXI ESTUFA 370.

For spray gun application thin to a viscosity of 28-32 seconds Cup Ford N-4, with 10-20% 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.