ESMALTE TKROM GLASS 2C

SALES FORMAT

KIT COLOURS: 15Kg, 5Kg, 1.25Kg

BASE KIT: 15L, 4L, 750ML

CERTIFICADO EN 13501-1

DESCRIPTION

Two-component polyurethane enamel based on hydroxylated acrylic resin and aliphatic isocyanate, with glossy finish, maximum hardness, excellent flexibility and high chemical and abrasion resistance. Finishing coat with excellent performance in epoxy-polyurethane anti-corrosion systems. Repair and restoration of bathrooms, kitchens, tiles, household appliances, etc. Suitable for rural, marine and highly aggressive industrial environments.

SCOPE OF APPLICATION

Indoor/Outdoor

Structures chemical industries

Iron, Steel

Installations in marine environments

Galvanised steel

Aluminium

Concrete

PROPERTIES

- Excellent hardness and elasticity
- Resistance to atmospheric agents
- Abrasion resistant
- Impact resistant
- Very good adhesion
- No blistering or yellowing
- Chemical resistance
- Mixing time: 6 h at 20ºC

Disponible TKROMATIC

TECHNICAL DATA

Chemical composition	Acrylic hydrox.+ polyisocyanate		
Colour	White and colours		
Finishing	Brilliant		
Brightness (60º):	100 ± 5	UNE-EN ISO 2813	
Density (Component A)	1.43-1.47 g/ml	UNE-EN ISO 2811-1	
Viscosity (Component A)	75-85 KU	UNE 48076	
Solids by volume	52-54 %	UNE-EN ISO 23811	
Slip resistance	Rd > 45 / Class 3 (%2B25% Aggregate)	UNE 41901	Nº12614
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	12-14 m2/L - 8-10 m2/Kg (40 microns dry)	
Drying times	**Touch-drying**	45min
	Total drying	6-8 h
	Full cure	7 days
Repainting time	Between 16 h and 48 hours	
Dilution	5-15% 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 GLASS ESMALTE 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 2C or TKROM IMPRIMACIÓN POLIURETANO 2C. After the time limit has elapsed, apply one or two coats of TKROM ESMALTE GLASS 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 IMPRIMACION EPOXI SELLADORA 2C or TKROM IMPRIMACIÓN POLIURETANO 2C or directly two coats of TKROM ESMALTE GLASS 2C, diluting in this case the first coat from 10% to 15% with TKROM DISOLVENTE POLIURETANO 310 or TKROM DISOLVENTE POLIURETANO ESPECIAL 315. It is advisable, in the case of floors, to open the pore of the surface by chemical or mechanical means.

CONDITIONS OF APPLICATION

Substrate Temp.	Min. + 5ºC / Max. + 35ºC
Ambient Temperature	5ºC / 35ºC
Rocio Point	The substrate temperature must be at least 3ºC 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 IMP. EPOXI 2C ANTICORROSIVA/ TKROM IMP. POLIURETANO 2C	6-8 m2/L - 3-5 m2/ Kg (70 microns dry)	5-15% DEPENDING ON APPLICATION SYSTEM	1 o 2
PRIMER (Difficult surfaces)	TKROM IMPRIMACIÓN EPOXI 2C TKROM GLASS	7-9 m2/L - 4-6 m2/ Kg (70 microns dry)	5-15% DEPENDING ON APPLICATION SYSTEM TKROM DISOLVENTE EPOXI ESTUFA 370	1
FINISH	TKROM ENAMEL GLASS 2C	12-14 m2/L - 8-10 m2/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 a ratio of 4:1 by weight or 2:0.8 by volume (base:catalyst), stir and wait 20 minutes before applying. Use the mixture within 6 hours at 20ºC. 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 POLIURETANO 310.

For spray gun application, thin up to a viscosity of 28-32 seconds Cup Ford N-4, with 10-15% of the same solvent.

For airless spray application, dilute up to a viscosity of 60 seconds Cup Ford N-4, with 0-5% 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 ºC and not less than 5 ºC 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.

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