



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 on which it is applied, both in interiors and exteriors, with smooth, hard and elastic finishes, very decorative and resistant. Anti-corrosive action.

SCOPE OF APPLICATION

Exterior/Interior
Pre-primed metal
Iron
Wood
Masonry
Do-it-yourself work

PROPERTIES

- Does not crack
- Excellent applicability
- Initial gloss durability
- High penetration power
- High resistance to atmospheric agents
- Odourless after drying
- Glossy, Satin and Matt

Disponible **TKROMATIC**

TECHNICAL DATA

Chemical composition	Alkyd and polyurethane resins	
Glossy Finish	Brightness 60°: >95	UNE-EN ISO 2813
Satin Finish	Brightness 60°: 40-50	UNE-EN ISO 2813
Matt Finish	Brightness 85°: <10	UNE-EN ISO 2813
Density	1,20 ± 0,05 g/mL	UNE-EN ISO 2811-1
Viscosity	80 ± 10 KU	UNE 48076
Solids by volume	44 ± 2%	UNE EN ISO 23811
Hardness Persoz	58s (14 days)	UNE-EN ISO 1522
Levelling and sagging index	8/150 microns (%2B5% solvent 345)	UNE48043/ ISO16862
VOC	< 500 g/L . Maximum value allowed by the EU: 500 g/L.	2004/42/II A classification (i)
Theoretical performance	11-13 m ² /L (40 microns dry)	
Drying times	Touch-drying	30 min
	Total drying	6 h
Repainting time	12-14 h	
Dilution	0-30%	
Diluent	TKROM DISOLVENTE SINTETICOS Y GRASOS 345	
Cleaning	TKROM DISOLVENTE UNIVERSAL 302	

PREPARATION OF THE SUBSTRATE

GENERAL

On exteriors, do not apply if rain is expected, if you are in full midday sun or on humid days. The surfaces to be painted must be clean, dry and free of dust, grease and dirt. Depending on the type of substrate, any rust or other residues must be removed and a suitable primer must be applied. For very smooth surfaces it may be necessary to sand the surface.

NEW/AGED WOOD SURFACES

Remove cracked and not perfectly adhered areas. Use filler to correct imperfections and irregularities. Sand the surface of the wood in the direction of the grain. The humidity of the wood must be less than 15%. It is advisable to apply a layer TKROM IMPRIMACION SELLADORA UNIVERSAL, to seal the wood, providing a great filling power. Sand lightly before applying the SYNTHETIC POLYURETHANE GLAZE.

IRON OR STEEL SURFACES

The surface must be free of mill scale, rust and poorly adhering foreign matter; remove with a mechanical wire brush. It is recommended to achieve a cleanliness level of ST2, according to ISO 8501. To ensure adhesion, the surface must be roughened by mechanical means according to ISO 8501, until a degree of cleanliness Sa 2 1/2 (abrasive blasting) or St3 (mechanical abrasive disc) is reached. Apply one or two coats of protective primer prior to the finishing coat of TKROM SYNTHETIC PRIMER type. For exterior use, it is preferable to use primer with anti-corrosive pigments of the TKROM SYNTHETIC ANTICORROSIVE PRIMER type.

GALVANISED STEEL AND PVC

Sand the surface with abrasive pad until matt to improve adhesion. Degrease the surface with ammoniacal detergent. Apply a coat of TKROM IMPRIMACIÓN MULTIUSOS, especially indicated for surfaces with difficult adhesion.

POLYCARBONATE, POLYESTER, ALUMINIUM

Sand the surface with abrasive pad until matting to improve adhesion. Degrease the surface with TKROM SOLVENT 302 UNIVERSAL. For aluminium surfaces it is recommended to degrease with TKROM DISOLVENTE NITRO CARROCERIAS 305. Apply a coat of TKROM IMPRIMACIÓN MULTIUSOS, specially indicated for surfaces with difficult adhesion.

MASONRY

Type of substrate: plaster mortar, plasterboard, concrete, fibre cement and other building materials. Regardless of the type of substrate to be painted, the appearance must be homogenised and any differences in texture, gloss, absorption, etc. must be corrected. As a primer for this type of substrate, apply TKROM IMPRIMACION SELLADORA UNIVERSAL. Cement mortars must be left to set completely (28 days minimum). Cement-based products, allow to dry for at least 4 days before coating.

CONDITIONS OF APPLICATION

Substrate temp.	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 detachment or efflorescence.

APPLICATION SYSTEM

APPLICATION SYSTEM	PRODUCT	PERFORMANCE	DILUTION	LAYERS
PRIMER (Iron, Steel)	TKROM IMPRIMACION SINTETICA ANTICORROSIVA	7-9 m ² /L and layer	0-25% DEPENDING ON APPLICATION SYSTEM TKROM DISOLVENTE SINTETICOS 345	1 o 2
COATING (Galvanised steel, Aluminium, Polyester, PVC, PC)	TKROM IMPRIMACION MULTIUSOS	5-7 m ² /L and layer	5-15% DEPENDING ON APPLICATION SYSTEM TKROM DISOLVENTE UNIVERSAL 302	1 o 2
FINISH	TKROM SYNTHETIC ENAMEL WITH PU	11-13 m ² /L and layer	0-30% DEPENDING ON APPLICATION SYSTEM TKROM DISOLVENTE SINTETICOS 345	1 o 2

RECOMMENDATIONS FOR IMPLEMENTA-

Product preparation:	Shake to homogenise the product. Stir again periodically. Adjust viscosity. In long processes evaporation will occur, readjust viscosity.
Method of application:	TKROM SYNTHETIC POLYURETHANE ENAMEL can be applied by brush, short nap roller, foam roller and spray gun.

Apply with uniformity and stretching it as much as possible to obtain 80 wet microns, thus avoiding long drying times, wrinkling, dirt trapping, etc.

For roller/brush application: It is recommended to dilute between 0-5% of SOLVENT 345 SYNTHETIC AND GREASE SOLVENTS. It is recommended to apply two coats of 80 microns wet for total coverage, this thickness may vary depending on the dyed colour.

For spray gun application: it is recommended to dilute to a viscosity of 20 seconds cup FORD at 25°C. Use 1.5 mm diameter nozzle and low gun air pressure (3 kg/cm²).

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 24 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: 3209 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.
-------------	---