



ESMALTE SINTETICO PRO

SALES FORMAT

COLOURS: 15L, 4L



DESCRIPTION

TKROM ESMALTE SINTETICO PROFESIONAL is a solvent-based enamel, formulated with alkyd resins for universal use, with excellent performance and a beautiful finish. Its rheology provides great ease of application, both by brush or roller, as well as by spray, with excellent levelling, leaving a smooth and uniform surface of great hardness, elasticity, adherence and gloss when dry.

SCOPE OF APPLICATION

Indoor/Outdoor
Iron
Wood
Masonry

PROPERTIES

- Toilet once dry
- Ease of application
- Does not crack
- Does not form blisters
- High penetration power
- High resistance to atmospheric elements
- Glossy, Satin and Matt

TECHNICAL DATA

Chemical composition	Alkyd resins		
Colour	Black and White		
Glossy Finish	Brightness 60°: >80	ISO 2813	
Satin Finish	Brightness 60°/85°: 15-30/45-65	ISO 2813	
Matt Finish	Brightness 85°: <15	ISO 2813	
Density	1,10-1,35 Kg/L	UNE-EN ISO 2811-1	
Viscosity	70-80 KU	UNE 48076	
Solids by volume	41-45%	UNE-EN ISO 23811	
Fire classification	B-s1, d0	UNE-EN 13501-1	3804T19
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	1-2 h	
	Drying without stickiness	4-5 h	
	Total drying	4-6 h	
Repainting time	6-24 h		
Dilution	5-25%		
Diluent	TKROM DISOLVENTE SINTETICOS Y GRASOS 345		
Cleaning	TKROM DISOLVENTE UNIVERSAL 302		

PREPARATION OF THE SUBSTRATE

GENERAL

TKROM ESMALTE SINTETICO PROFESIONAL can be applied by brush, roller and spray. Shake before use, with a spatula or appropriate flat object, until a good homogenisation of the product is achieved. Clean the surfaces to be painted if they contain paints that may detach or are badly adhered to the surface. Do not apply on greasy or dusty surfaces. Carefully remove the possible remains of oils and loose rust or paint particles with a brush. If the surface to be painted has flaws, holes, unevenness, etc., repair them beforehand with a putty suitable for the surface. It is advisable to sand all surfaces before painting.

UNPAINTED WOODEN SURFACES

Carry out a light dry sanding to remove any raised fibres. Isolate imperfections (knots, holes, veins, joints) using a suitable insulator, or puttying with TKROM PLAST powder filler, or synthetic putty. Apply one or two coats of TKROM IMPRIMACION SELLADORA UNIVERSAL. Sand lightly and apply TKROM ESMALTE SINTETICO PROFESIONAL.

PAINTED WOODEN SURFACES

Remove cracked and not perfectly adhered areas. Putty imperfections and irregularities. Sand the entire surface and clean of dust, grease or dirt. To achieve a good finish, apply a coat of TKROM IMPRIMACION SELLADORA UNIVERSAL, sand smoothly and then apply TKROM ESMALTE SINTETICO PROFESIONAL.

UNPAINTED IRON SURFACES

Remove the possible presence of rust and lamination residues, with appropriate spatulas or metallic brushes, degrease and clean the dust and dirt and sand carefully until the rust residues are removed from the surface. Then apply one or two coats of TKROM IMPRIMACION ANTICORROSIVA. Once the necessary time has elapsed, apply TKROM ESMALTE SINTETICO PROFESIONAL.

PAINTED IRON SURFACES

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

GALVANISED IRON AND ALUMINIUM SURFACES

Degrease and clean the surface. Apply a coat of TKROM IMPRIMACION MULTIUSOS. After a suitable time interval, apply one or two coats of TKROM ESMALTE SINTETICO PROFESIONAL.

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	5-15% DEPENDING ON SYSTEM TKROM SOLVENT 345 AND TKROM DISOLVENTE UNIV 302	1 o 2
COATING (Galvanised Steel, Aluminium, PVC)	TKROM IMPRIMACION MULTIUSOS	5-7 m ² /L and layer	5-25% DEPENDING ON APPLICATION SYSTEM TKROM DISOLVENTE UNIVERSAL 302	1 o 2
FINISH	TKROM ESMALTE SINTETICO PRO	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: Stir until the product is well homogenised. Stir again periodically. Adjust viscosity. In long processes evaporation will occur, readjust viscosity. An excessively energetic solvent may make it advisable to reduce the proportion of solvent.

Method of application: It can be applied by brush, roller and spray. Apply with uniformity and extending it as much as possible to obtain 75 wet microns, in this way we will avoid long drying times, wrinkling, dirt trapping, etc.

For application by brush or roller dilute the product with a small quantity of TKROM SOLVENT 345 SYNTHETICS.

For spray gun application, dilute from 15 to 20% with Tkrom 345 Thinner for Synthetics, until a viscosity of 25 seconds cup Ford nº 4 at 25°C.

Use a nozzle diameter of 1.5-1.8 mm and an air pressure of 2.5-3.5 kg/cm2.

For application by airless spray gun, use pressures of 100 to 120 bar with 0.3-0.4 mm nozzles, dilution of 5-10% with TKROM SOLVENT 345 SYNTHETICS, application angle 75-80°.

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: 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.