



# ESMALTE SINTETICO PRO

## SALES FORMAT

15L, 4L



## DESCRIPTION

TKROM PROFESSIONAL SYNTHETIC ENAMEL is a solvent-based enamel, formulated with alkyd resins for universal use, offering optimum performance and a beautiful finish. Its rheological properties make it very easy to apply, whether by brush, roller or spray gun, with excellent levelling, leaving a smooth, uniform surface upon drying that is highly hard, elastic, adhesive and glossy.

## SCOPE OF APPLICATION

Indoor/Outdoors  
Iron  
Wood  
Bricklaying

## PROPERTIES

- Odourless once dry
- Very easy to apply
- Does not crack
- Does not cause blistering
- High penetration power
- High resistance to atmospheric agents
- Gloss, Satin and Matte

## TECHNICAL DATA

Chemical composition	Alkyd resins	
Colour	Black and White	
Gloss finish	60° gloss: >80	ISO 2813
Satin finish	Gloss 60°/85°: 15–30/45–65	ISO 2813
Matte finish	85° gloss: <15	ISO 2813
Density	1.25 ± 0.2 kg/l depending on the finish	UNE-EN ISO 2811-1
Viscosity	65 ± 10 KU depending on the finish	UNE 48076
Volume solids	53 ± 3% depending on the finish	UNE-EN ISO 23811
Fire classification	A2-s1, d0	UNE-EN 13501-1 (5236T24-2)
VOC	< 500 g/L. Maximum value permitted by the EU: 500 g/L	2004/42/II Category (i)
Theoretical coverage	11–13 m <sup>2</sup> /L (40 dry microns)	
Drying times	Touch-dry: 1–2 h   Tack-free: 4–5 h   Fully dry: 4–6 h	
Recoating time	6–24 hours	
Dilution	5–25%	
Diluents	TKROM DISOLVENTE SINTETICOS Y GRASOS 345	
Cleaning	TKROM DISOLVENTE UNIVERSAL 302	

The technical data specified may vary if the material is tinted.

## PREPARATION OF THE SUBSTRATE

### GENERAL INFORMATION

TKROM PROFESSIONAL SYNTHETIC ENAMEL can be applied by brush, roller or spray gun. Stir thoroughly before use, using a spatula or suitable flat object, until the product is completely homogenised. Clean the surfaces to be painted if they contain paint that may flake off or is poorly adhered to the surface. Do not apply to substrates containing grease or dust. Carefully remove any traces of oil and loose particles of rust or paint using a brush. If the surface to be painted has imperfections, holes, uneven areas, etc., repair these first using a filler suitable for the surface. It is advisable to sand all surfaces before painting.

### UNPAINTED WOODEN SURFACES

Lightly dry-sand the surface to remove any raised fibres. Fill any imperfections (knots, holes, grain lines, joints) using a suitable filler or synthetic putty. Apply one or two coats of TKROM UNIVERSAL SEALING PRIMER. Sand lightly and apply TKROM PROFESSIONAL SYNTHETIC ENAMEL.

## PREPARATION OF THE SUBSTRATE

### PAINTED WOODEN SURFACES

Remove any cracked or poorly adhered areas. Fill any imperfections and irregularities with filler. Sand the entire surface and clean off any dust, grease or dirt. To achieve a good finish, apply one coat of TKROM UNIVERSAL PRIMER AND SEALER, sand lightly and then apply TKROM PROFESSIONAL SYNTHETIC ENAMEL.

### UNPAINTED IRON SURFACES

Remove any rust and mill scale using suitable scrapers or wire brushes; degrease and clean away dust and dirt; then sand carefully until all rust residues have been removed from the surface. Next, apply one or two coats of TKROM ANTI-CORROSIVE PRIMER. Once the required drying time has elapsed, apply TKROM PROFESSIONAL SYNTHETIC ENAMEL.

### PAINTED IRON SURFACES

Remove any coats of paint that are not perfectly adhered, then proceed as indicated for unpainted iron surfaces.

### GALVANISED STEEL AND ALUMINIUM SURFACES

Degrease and clean the surface. Apply one coat of PRIMER 4515 MULTI-PURPOSE. After allowing the appropriate drying time, apply one or two coats of TKROM PROFESSIONAL SYNTHETIC ENAMEL.

## APPLICATION CONDITIONS

Substrate temperature	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 flaking or efflorescence.

## APPLICATION SYSTEM

System	Product	Yield	Dilution	Coats
PRIMING (Iron, Steel)	TKROM SYNTHETIC ANTI-CORROSIVE PRIMER	7-9 m <sup>2</sup> /L per coat	5-15% ACCORDING TO THE TKROM SOLVENT 345 AND TKROM SOLVENT UNIV 302 SYSTEMS	1 or 2
PRIMING (Galvanised steel, Aluminium, PVC)	PRIMER 4515 MULTI-PURPOSE	6-8 m <sup>2</sup> /L per coat	5-25% DEPENDING ON THE APPLICATION SYSTEM TKROM DISOLVENTE UNIVERSAL 302	1 or 2
FINISH	TKROM SYNTHETIC ENAMEL PRO	11-13 m <sup>2</sup> /L per coat	0-30% DEPENDING ON THE TKROM APPLICATION SYSTEM - TKROM DISOLVENTE SINTETICOS 345	1 or 2

## APPLICATION RECOMMENDATIONS

<b>Product preparation:</b>	Shake until the product is thoroughly homogenised. Shake again periodically. Adjust the viscosity. During lengthy processes, evaporation will occur; readjust the viscosity. If the solvent is excessively potent, it may be advisable to reduce its proportion.
<b>Application method:</b>	<p>Can be applied by brush, roller or spray gun. Apply evenly, spreading the product as thinly as possible to achieve a wet film thickness of 75 microns; this will prevent long drying times, wrinkling, dirt trapping, etc.</p> <p>For application by brush or roller, dilute the product with a small amount of TKROM DISOLVENTE SINTETICOS 345.</p> <p>For application by airbrush, dilute by 15–20% with Tkrom Disolvente Sinteticos 345 until a viscosity of 25 seconds is achieved in a Ford No. 4 cup at 25°C.</p> <p>Use a nozzle with a diameter of 1.5–1.8 mm and an air pressure of 2.5–3.5 kg/cm².</p> <p>For application using an airless spray gun, use pressures of 100 to 120 bar with 0.3–0.4 mm nozzles, diluted by 5–10% with TKROM DISOLVENTE SINTETICOS 345, and an application angle of 75–80°.</p>

## ADDITIONAL INFORMATION

<b>Health and safety</b>	<p>For any information regarding safety issues relating to the use, storage, transport and disposal of waste from this product, users should consult the labelling and the latest version of the Safety Data Sheet, which contains physical, ecological and toxicological data, as well as other relevant information on this subject.</p> <p>WASTE: HAZARDOUS LER CODE: 080111</p>
<b>Storage</b>	The product will remain stable in its original, unopened packaging at ambient temperatures not exceeding 30 °C or falling below 5 °C for 24 months from the date of manufacture. The product must be stored in a cool, dry place, in its original packaging, tightly sealed, undamaged and protected from frost and direct sunlight.
<b>Tariff heading</b>	TARIC code: 3208 90 91
<b>Note</b>	The technical information contained in this document is provided in good faith, based on laboratory tests and practical experience under normal conditions. However, the data may vary, particularly when the material is tinted or when using intense colours, in which case parameters such as density or solids by volume may be affected without compromising the product's performance. Users are advised to verify the suitability of the product for their specific application and to request the relevant colour safety data sheet from their distributor for reference.