

TKROM ESMALTE ANTIOXIDANTE

PRODUCT DESCRIPTION

Enamel for direct application to rust, without priming or sanding being necessary. Dries very quickly leaving very decorative smooth and glossy finishes. Specially created to be applied to iron surfaces; it can also be applied to plaster and timber if desired. Free of lead, chromium and heavy metals.



USES / SCOPE OF APPLICATION

- Outdoors/Indoors.
- Iron.
- Steel.
- Rusted iron or steel.
- As rust protection for:
- Fences.
- Street lamps.
- Doors.
- Metal furniture.
- Grids.
- Fences.
- Windows.
- Forge items.

CONTAINER	SIZE
Metal	750 ml
Metal	4 L

CHARACTERISTICS / BENEFITS

- Directly on rust.
- It acts as an enamel and a rust-protector.
- Does not require minium or anti-rust primer.
- Prevents humidity.
- Passivates rust and decorates as finishing enamel.

PRODUCT PROPERTIES

APPEARANCE OF THE DRY FILM	VALUE	STANDARD	REPORT
COLOUR	Carta y colores s/muestra		
GLOSS 20º	89-91	UNE-EN ISO 2813	IL-6401-01
CHROMATIC COORDINATES, L*	92 a 94	UNE 48073	IL-6401-02
CHROMATIC COORDINATES, a*	-1,10 a -0,90	UNE 48073	IL-6401-02
CHROMATIC COORDINATES, b*	0,60 a 0,80	UNE 48073	IL-6401-02
BERGER WHITENESS	80-82	UNE 48073	IL-6401-02
OPACITY	94-96%	UNE-EN ISO 6504-3	IL-6401-05

PHYSICAL PROPERTIES	VALUE	STANDARD	REPORT
DENSITY	1,16 - 1,22 g/ml	UNE-EN ISO 2811-1	IL-6401-06
VISCOSITY (ISO)	75 - 85 KU	ENSAYO INTERNO	
PARTICLE SIZE DISTRIBUTION (GRAIN)	12-22 micras/ Fino / S1 Fino	UNE-EN ISO 1524 / UNE-EN 13300/ UNE-EN 1062-1	IL-6401-09

REFERRING TO ITS FORMULATION	VALUE	STANDARD	REPORT
CONTENT IN NON-VOLATILE MATERIAL (MASS)	62-64%	UNE-EN ISO 3251	IL-6401-09
CONTENT IN NON-VOLATILE MATERIAL (VOLUME)	48-50%	UNE-EN ISO 23811	
MAXIMUM ADMISSIBLE COV CONTENT	500 g/L	2004/42/II A clasificación	
MAXIMUM ADMISSIBLE COV CONTENT IN THE PRODUCT	500 g/L	2004/42/II A clasificación	

APPLICATION PROPERTIES	VALUE	STANDARD	REPORT
THEORETICAL YIELD	8-10m ² /L - 9-11 m ² /kg a 45µm secas	UNE-EN ISO 23811	
START DRY TO TOUCH TIME	10min	UNE-EN ISO 9117-4	
STICKY DRY TIME	20min	UNE-EN ISO 9117-4	
HARDENING TIME	25min	UNE-EN ISO 9117-4	
REPAINTING TIME	50min	UNE-EN ISO 9117-4	
THINNING	10-20%	SEGÚN SISTEMA APLICACIÓN	
THINNER	TKROM Disolvente 376 Antioxidante / TKROM Disolvente 345 Sintéticos y Grasos / TKROM Disolvente 350 Clorocaucho y Superlite Exterior / TKROM Disolvente 302 Universal		

MEDIUM CONDITIONS

If outside, do not apply if rain is forecast, in strong midday sun or on very humid days. Excessive moisture affects both the strength of the dry film and the final appearance.

MEDIUM PREPARATION

GALVANISED STEEL AND ALUMINIUM SURFACES

- Degrease and clean the surface. Apply a coat of Shop Primer, TKROM 2C Epoxy GLASS Primer TDS-6704 or TKROM Multi-purpose Primer TDS-6204.

NON-PAINTED IRON OR STEEL SURFACES

- Although not necessary from an anti-corrosion perspective, metal spatulas or brushes should be used to remove any rust and rolling residues that may be present, to level and smooth the surface and achieve fully decorative finishes; degrease, clean away any dust and dirt and sand carefully to remove coarse rust residues from the surface. Next, to obtain a minimum of 100 microns when dry, use a brush or roller to apply two or three coats, or a spray gun to apply three to four coats of TKROM RUST-RESISTANT ENAMEL.

PAINTED IRON OR STEEL SURFACES

- Remove layers of paint that are not perfectly bonded and then proceed as indicated for unpainted iron surfaces.

WOODEN OR GYPSUM SURFACES

- On timber, first apply TKROM Universal Sealant Primer TDS-6203, then level and smooth. When working with plaster, treat this type of support as usual by removing nitrates, excess moisture and efflorescence. Remove foreign objects and/or residues. Once dry, apply TKROM Universal Sealant Primer TDS-6203, then level and smooth. After the appropriate period of time, apply TKROM RUST-RESISTANT ENAMEL as indicated.

APPLICATION SYSTEM

SYSTEM	PRODUCT	THEORETICAL YIELD	DILUTION	COATS
PRIMING (IRON OR STEEL)	Not applicable (N/A)	N/A	N/A	N/A

APPLICATION PROCESSES

PROCESS	INSTRUCTIONS
PRODUCT PREPARATION	- Stir until the mixture is properly homogenised. - Stir again at regular intervals. - Adjust viscosity. - Evaporation will take place during prolonged application, so the viscosity will have to be adjusted.
APPLICATION	- It can be applied with a brush, roller, spray gun or airless paint sprayer. - If applying with a brush or roller, dilute by 5%-10% using TKROM 376 Antioxidant Thinner, TKROM 345 Thinner for Synthetics or TKROM 350 Chlorinated Rubber Thinner. - If applying with a spray gun, dilute to a viscosity of 28-32 seconds in a No. 4 Ford cup, with 15-20% of the same thinner. - If applying with an airless paint sprayer, dilute to a viscosity of 60 seconds in a No. 4 Ford cup, with 5% of the same thinner.
TOOL CLEANING	All tools that are used must be cleaned immediately after use with any of the recommended thinners, or with TKROM 302 UNIVERSAL THINNER (TDS-6961).

WAIT TIMES

Drying at 20°C and 65% relative humidity: The product is touch dry after 20 minutes. Dry for handling in 6 hours. Can be painted over from the first hour onwards, and within 6 hours, or after 48 hours.

SAFETY

Users should refer to the labelling and the latest version of the product's Safety Data Sheet for any information regarding safety issues related to use, storage, transport and waste disposal. The Safety Data Sheet contains all of the physical, environmental and toxicological data on the product, and information on all other issues related to this topic.

SAFETY SHEET	LER CODE	WASTE TYPE
MSDS-6401	08 01 11	HAZARDOUS

STORAGE

When kept in its original unopened container at room temperatures below 30°C and above 5°C, the product will remain stable for 12 months from the date of manufacture.

It should be stored in a cool, dry place, in its original properly sealed and undamaged container, protected from frost and direct sunlight.

TARIFF HEADING

TARIC code: 3208 90 91

Note: The data presented in this technical data sheet may be modified based on possible changes in formation. In any case, values are provided for information purposes only, and the suitability of the product for a certain job should always be tested.

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