

TKROM BASE ESMALTE METACRILICO PARA GALVANIZADOS



PRODUCT DESCRIPTION

Solvent-based acrylic enamel with excellent adhesion to galvanised steel, strong gloss and excellent resistance to chemical agents, water, outdoor conditions and corrosion. Very good abrasion and wear resistance. This product forms part of the TKROM COLOR colorimetric system, meaning that a wide range of colours can be achieved.

USES / SCOPE OF APPLICATION

- For outdoor use. The product can be used for single coat application on galvanised steel surfaces..
- Pipes.
- Tanks.
- Metal structures.
- Bridges.

CONTAINER	SIZE
Metal	750 ml
Metal	4 L
Metal	15 L

CHARACTERISTICS / BENEFITS

- High adhesive properties.
- Hardness.
- Elasticity.
- Resistant to chemical aggressions.
- Good abrasion and impact resistance.
- Fast drying.

PRODUCT PROPERTIES

APPEARANCE OF THE DRY FILM	VALUE	STANDARD	REPORT
COLOUR	Carta y colores normalizados	SISTEMA TINTOMETRICO	
BASES	BL TR		
FINISH	G1 Brillante Brillante	UNE-EN 1062-1	IL-6110-01
GLOSS 60°	81-85	UNE-EN ISO 2813	IL-6110-01
CHROMATIC COORDINATES, L*	BL = 91 a 93 TR = n.a.	UNE 48073	IL-6110-02
CHROMATIC COORDINATES, a*	BL = -1,20 a -1,00 TR = n.a.	UNE 48073	IL-6110-02
CHROMATIC COORDINATES, b*	BL = 0,40 a 0,60 TR = n.a.	UNE 48073	IL-6110-02
BERGER WHITENESS	BL = 81-83 TR = n.a.	UNE 48073	IL-6110-02
OPACITY	BL = 92-94% TR = n.a.	UNE-EN ISO 6504-3	IL-6110-05

PHYSICAL PROPERTIES	VALUE	STANDARD	REPORT
DENSITY	BL = 1,28-1,32 g/ml TR = 1,21-1,25 g/ml	UNE-EN ISO 2811-1	
VISCOSITY (ISO)	75-85 KU	ENSAYO INTERNO	
PARTICLE SIZE DISTRIBUTION (GRAIN)	15-25 micras	UNE-EN ISO 1524	

REFERRING TO ITS FORMULATION	VALUE	STANDARD	REPORT
CONTENT IN NON-VOLATILE MATERIAL (MASS)	BL = 61-63% TR = 59-61%	UNE-EN ISO 3251	IL-6110-10
CONTENT IN NON-VOLATILE MATERIAL (VOLUME)	BL = 41-43% TR = 43-45%	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	BL = 8-10 m ² /L - 6-8 m ² /kg a 45µm secas TR = 9-11 m ² /L - 7-9 m ² /kg a 45µm secas	UNE-EN ISO 23811	
THINNING	5-20%	SEGÚN SISTEMA APLICACIÓN	
THINNER	TKROM Disolvente 365 Acrilico		

MEDIUM CONDITIONS

If outside, do not apply if rain is forecast, in strong midday sun or on very humid days.

MEDIUM PREPARATION

GALVANISED STEEL AND ALUMINIUM SURFACES

- Degrease and clean the surface. Apply one coat of TKROM METHACRYLIC ENAMEL BASE FOR GALVANISED MATERIALS.

NON-PAINTED IRON OR STEEL SURFACES

- In cases in which non-galvanised iron or steel may be mixed with galvanised ones, treat the non-galvanised part as follows. Use appropriate metal spatulas or brushes to remove any rust and rolling residues; degrease and clean away any dust and dirt, and sand carefully to remove all rust residues from the surface; if necessary, use sand blasting down to Sa 2 1/2. Next, apply one or two coats of TKROM Quick Dry Primer TDS-6202 or TKROM Universal Multipurpose Primer Base TDS-6115. After the established time, apply one coat of TKROM METHACRYLIC ENAMEL BASE FOR GALVANISED MATERIALS.

PAINTED IRON OR STEEL SURFACES

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

APPLICATION SYSTEM

SYSTEM	PRODUCT	THEORETICAL YIELD	DILUTION	COATS
FINISH (IRON OR STEEL)	TKROM METHACRYLIC ENAMEL BASE FOR GALVANIZED SURFACES	8-10 m ² /l per coat	5-20% DEPENDING ON THE APPLICATION SYSTEM. TKROM 365 ACRYLIC THINNER TDS-6918	1 or 2 (one coat is normally sufficient)

APPLICATION PROCESSES

PROCESS	INSTRUCTIONS
PRODUCT PREPARATION	<ul style="list-style-type: none"> Stir until the product is properly homogenised. Stir again periodically. Adjust viscosity. Evaporation will take place during prolonged application, so the viscosity will have to be adjusted.
APPLICATION	<ul style="list-style-type: none"> It can be applied with a spray gun or airless paint sprayer using Tkrom 365 Acrylic Thinner TDS-6918. To apply with a spray gun, dilute by 15%-20%. To apply with an airless paint sprayer, dilute by 6%-12%. High temperatures cause rapid surface drying that enhances the formation of blisters when the solvent in the inner layers attempts to evaporate. Therefore, painting during hours of strong sunshine should be avoided. The solvents should have medium and balanced evaporation rates. Neither too high nor too low. Check that the adherence of well-bound old paint and the new paint is correct and that the adherence of the old paint on the substrate is not affected. Check that the product is compatible with the substrate paint to prevent negative reactions that may alter the optimal properties of the final coat.
TOOL CLEANING	<ul style="list-style-type: none"> 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 dust free dry in 10 minutes. Tack free after 30 minutes. Through dry 4 hours. It can be painted over after 6 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-6110	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 24 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 20 90

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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