

TKROM FIJATIVO PENETRANTE F1



PRODUCT DESCRIPTION

High-penetration, water-based wall fixative, with an acrylic base, for surface wetting out of the media commonly used in construction. Ultra-thin particle product that provides a high penetrative nature, filling even microscopic pores of plasters Particularly suitable to solidify and reinforce cement and gypsum plasters, among others, as well as old lime paints. Excellent resistance to alkali and an ideal medium for subsequent coats of paint when applying on cement, gypsum, plaster and fibre-cement sheets, among others.

USES / SCOPE OF APPLICATION

- Due to its fine particle composition, it is suitable for hardening and fixing indoor and outdoor walls and ceilings, faces with old tempera or distemper paints before being painted with plastic paints, virtually all kinds of materials with excessive porosity or with a tendency to release dust..
- Construction surfaces.
- For indoor and outdoor use.
- Brick walls.
- Gypsum or plaster.
- Materials with a tendency to cause stains when painted.
- Concrete.
- Cement mortar.
- Fibre-cement.

CONTAINER	SIZE
Plastic	1 L
Plastic	5 L
Plastic	25 L

CHARACTERISTICS / BENEFITS

- Great fixative power.
- Adhesion promoter.
- Absorption regulator.
- Excellent penetrative power.
- Hardens surfaces.
- Very high resistance to alkali.
- Excellent ease of application.
- Water vapour-breathable.

PRODUCT PROPERTIES

APPEARANCE OF THE DRY FILM	VALUE	STANDARD	REPORT
APPEARANCE	Líquido		
COLOUR	Opalino		

PHYSICAL PROPERTIES	VALUE	STANDARD	REPORT
DENSITY	1,00 -1,04 g/ml	UNE-EN ISO 2811-1	IL-5907-06
pH	8-9	ENSAYO INTERNO	

REFERRING TO ITS FORMULATION	VALUE	STANDARD	REPORT
CONTENT IN NON-VOLATILE MATERIAL (MASS)	33-35%	UNE-EN ISO 3251	IL-5907-10
MAXIMUM ADMISSIBLE COV CONTENT	30 g/L	2004/42/II A clasificación	
MAXIMUM ADMISSIBLE COV CONTENT IN THE PRODUCT	30 g/L	2004/42/II A clasificación	

APPLICATION PROPERTIES	VALUE	STANDARD	REPORT
THINNING	1:1		
THINNER	AGUA		

MEDIUM CONDITIONS

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

CONDITION	VALUE
Substrate temperature	Between 5°C and 35°C.
Ambient temperature	Between 5°C and 35°C.
Substrate humidity	Dry medium surface with humidity < 10%
Dew point	The substrate must be at least 3º above the dew point to reduce the risk of product detachment or efflorescence of the coating on walls and floors due to condensation. In high ambient temperature and low relative humidity conditions, the probability of efflorescence in the finish increases.

MEDIUM PREPARATION

NON-PAINTED OR NEW SURFACES

- Outside, clean the entire surface using mechanical equipment such as a high pressure water jet equipment
- It must be dry, and must have cured in the air for the necessary time (minimum 3 weeks).
- The surface should be consistent and firm, with no tendency to disintegrate or break. If it is necessary to smooth the substrate, repair it using suitable products from the TKROM PLAST range.
- Next, apply TKROM FIJATIVO PENETRANTE F1, diluted as appropriate.

ALREADY PAINTED SURFACES

- Outside, use mechanical equipment such as high pressure water jets, to clean the surface.
- Ensure that the medium is compact and firm.
- Carefully control the condition of the underlying paint; remove parts that are cracked and/or not perfectly adhered.
- Repair any imperfections, and proceed as instructed for new surfaces.



SPECIAL REMARKS FOR MEDIA IN GOOD CONDITIONS

Concrete:

- The surface should be dry, and should have cured in the air for the necessary time (minimum of 3 weeks).
- The substrate conditions must meet the requirements of concrete standard UNE-EN ISO 1504-2 in terms of coating performance.

Mortar:

- Use suitable products to remove efflorescence and alkalinity, such as treating with hydrochloric acid, diluted with 10 parts water.

Fibre cement:

- Remove alkalinity in accordance with the instructions for mortars.

Porous plaster:

- To prevent excessive absorption during subsequent painting, apply a coat of TKROM F4 FIXATIVE (TDS-5908), which is best suited for this medium.

Fragile plaster:

- Apply a coat of TKROM F1 PENETRATING FIXATIVE to strength the top coat, creating a lattice of resin that also allows transpiration, reduces absorption and facilitates subsequent painting.

Mortar and plaster on masonry:

- The substrate condition must meet mortar standard UNE-EN 998-2. According to the specifications of this standard, the adhesion value must be suited to that specified for the CE marking of the substrate manufacturer. It should never be less than 0.2 N/mm². The average value should be 0.3 N/mm².

Old paint:

- The quality of the old coatings is important.
- Adhesion should be no less than 0.7 N/mm², and the average sampling value should exceed 1 N/mm² (UNE-EN ISO 1504-2 standard).
- Thoroughly clean the entire surface with a jet of pressurised steam or water.
- For gloss paints, use mechanical equipment to open the pores, and proceed as for new surfaces.

SPECIAL REMARKS FOR MEDIA IN POOR CONDITIONS

Blackening caused by mould and algae:

- Remove the stain and disinfect by vigorously scrubbing with household bleach. Next, treat the surface with TKROM REINFORCING CLEANER (TDS-5905) and then add a coat of TKROM SANITISING-SEALANT PRIMER (TDS-5906).

Nitre:

- Scrape with a brush or machine polish, before applying chemical treatment with hydrochloric acid, diluted with 10 parts of water. Next, treat with TKROM F1 PENETRATING FIXATIVE.

Rust stains from wrought iron:

- Apply two coats of TKROM STAIN RESISTANT SUPERLITE (TDS-6612).

Old paint with insufficient adhesion:

- If adhesion is less than 0.7 N/mm² (UNE-EN ISO 1504-2 standard), use suitable mechanical equipment to remove the old paint. The underlying material must be properly prepared for the application of the new top coat. Proceed as with new substrate.

Uneven surfaces:

- Surfaces with damage such as peeling, cracking, chalking, blistering, etc. should be treated using mechanical equipment to completely remove existing paint.

After this, depending on the type of substrate, a coat of any of the following products should be applied: TKROM F1 PENETRATING FIXATIVE (TDS-5907), TKROM F4 FIXATIVE (TDS-5908) or TKROM PLIOTEC WATER-BASED FIXATIVE (TDS-5929), before proceeding as indicated for new surfaces.

For painting other specific materials not mentioned on this data sheet, seek advice on suitable treatment from a EUPINCA, S.A. approved technician.

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APPLICATION PROCESSES

PROCESS	INSTRUCTIONS
PRODUCT PREPARATION	<ul style="list-style-type: none"> · Stir until the mixture is properly homogenised.
APPLICATION	<ul style="list-style-type: none"> · It must be diluted with water by at least 100%. · The proper amount will vary depending on the surface and must be adjusted so that, once dry, it leaves an opalescent patina on the surface. · Very large amounts of the product (low thinning) can form a compact film, which will make adhesion of subsequent layers of paint difficult. On the contrary, using too much thinner will result in the application of insufficient adhesive, making application difficult, reducing the anchoring properties of the finish and generating areas where absorption is uneven. · Due to its low viscosity, bear in mind that using too much product on the application tool will result in dripping that will make absorption uneven. · This defect will be highlighted during the next application, which will present varying degrees of gloss and an improper finish. · Generally applied with a single coat that is touch dry after 15-30 minutes and can be painted 6 hours after application. · Waterproofs and compacts exposed brickwork, natural stoneware, etc. It may be necessary to apply a second coat, depending on surface porosity and absorption properties, but a single coat is normally sufficient. · It can be applied with a brush, roller or spray gun. · The product can be applied with a brush, short hair roller or sprayed with an airless paint sprayer. · In all cases, it is recommended to choose a small test area to ensure that the dilution is appropriate and to guarantee both penetration and absence of film formation.
TOOL CLEANING	<ul style="list-style-type: none"> · Clean the tools with water immediately after use.

WAIT TIMES

Drying at 20°C and 65% relative humidity: The product is touch dry after 15-30 minutes and 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-5907	08 01 12	NON-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: 3209 10 00

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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