



ECOLÓGICO MATE SM50 PRO

SALES FORMAT

12L, 4L



DESCRIPTION

Matt plastic paint based on vinyl copolymers. This product has been formulated with the safeguarding of the environment and the health of the user in mind. Paint formulated without volatile organic compounds, solvents, heavy metals, ammonia or harmful toxic compounds. Easy to apply, excellent coverage, performance and washability. Provides comfortable paintwork without unpleasant odours.

SCOPE OF APPLICATION

Indoor/Outdoor. Ideal product for the decoration and protection of: Interiors of homes, schools, hotels, residences, restaurants, offices, public premises, nurseries, hospitals, etc. It allows the use of the painted spaces immediately after application and drying, without annoying odours or fumes. It can be applied even in the presence of particularly sensitive people, such as children or the elderly.

PROPERTIES

- VOC-free
- Solvent and ammonia free
- Excellent coverage
- Contains no toxic compounds
- Very good washability
- Odourless
- High performance

TECHNICAL DATA

CLASSIFICATION ACCORDING TO UNE EN 13300

Finishing	Mate	UNE EN 13300	
Brightness 85°.	6 ± 2	ISO 2813	
Particle size	Fino	ISO 1524	
Wet scrub resistance	Class 2 (<20 microns)	ISO 11998	
Contrast Ratio / Opacity and Rendering	Class 1 (99.5%) for theoretical yield of 3.8 m ² /L and 110 microns dry film Class 2 (98%) for theoretical yield of 7.4 m ² /L and 57 microns dry film	ISO 6504-3	
Chemical composition	Vinyl ethylene vinyl aqueous dispersion, pigments and extenders		
Colour	White		
Berger Whiteness	94 ± 2	UNE 48073	
Theoretical performance	10-12 m ² /L (40 microns dry)	ISO 23811	
Density	1,56 ± 0,05 g/ml	ISO 2811-1	
Viscosity	16 ± 3 Pa-s (20 rpm, R6)	ASTM D 2196-10	
Solids by volume	43 ± 2%	ISO 23811	
Levelling index	4 (+ 10% water)	UNE 48043	
Drop resistance	300 ± 25 microns (+ 10% water)	ISO 16862	
Fire classification	B-s1, d0	UNE-EN 13501-1	UNE-EN 13501-1
VOC test	0.6 g/L	ISO 11890-2	NO. 076907-2
VOC	< 1 g/l. EU maximum permitted value: 30 g/L.	2004/42/II A classification (a)	
Diluent	Mains water		
Dilution	0 to 20% depending on application system		
Repainting time	4-6 hours		
Drying time	Touch-drying	15-30 min	UNE 48301
	Total Drying	30 min -1h	
	Washing:	25-30 days	
Cleaning	Water		

The specified technical data may vary in case of material tinting.

PREPARATION OF THE SUBSTRATE

GENERAL

The surface must be compact, dry, free of dust, salts, loose or poorly adhered parts or any type of contamination that may affect the adhesion of the system. The resistance of the substrate must be checked. Regardless of the substrate to be painted, the appearance must be homogenised and any differences in texture, gloss, absorption, etc. must be corrected.

NEW WORK

Type of substrate: plaster mortar, plasterboard, concrete, fibre cement and other building materials. Substrates in normal conditions: it is not necessary to apply a primer coat beforehand. Very porous and/or absorbent substrates: apply a coat of primer TKROM FIJATIVO F4, TKROM FIJATIVO AL AGUA PLIOTEC or TKROM FIJATIVO F10 BLANCO, in order to avoid excessive absorption in subsequent painting. Smooth surfaces with low absorbent power: apply a primer coat of TKROM FIJATIVO F1. In cases where the absorbent power of the substrate is very low, it is recommended to sand the surface to open the pores.

RESTORATION AND MAINTENANCE

Painted surfaces: materials in poor condition must be completely removed and the areas repaired until a sound, dry and clean substrate is obtained. Aged paintwork: it is advisable to apply a primer coat of TKROM FIJATIVO F1, in order to strengthen the outer layer by creating a resin grid that also allows transpiration, reduces absorption and facilitates subsequent painting. Aged, unpainted surfaces: the resistance of the substrate must be checked. For powdery, sandy and/or very absorbent surfaces, apply a coat of primer TKROM FIJATIVO F4, TKROM FIJATIVO AL AGUA PLIOTEC or TKROM FIJATIVO F10 BLANCO in order to regularise and fix the substrate. Substrates with microorganisms: remove mould and/or fungus by wet cleaning, apply one to two coats of TKROM LIMPIADOR REFORZANTE, leaving 12 hours between coats. If the substrate is very damaged, it is advisable to apply a coat of primer TKROM IMPRIMACIÓN SELLADORA-SANEADORA, following the manufacturer's instructions. Surfaces with efflorescence: remove efflorescence and alkalinity by means of suitable treatments, apply a coat of TKROM FIJATIVO F1 primer.

APPLICATION SYSTEM

SYSTEM	PRODUCT	PERFORMANCE	DILUTION	LAYERS
PRIMING (very porous substrates, unpainted aged surfaces, substrates with efflorescence)	TKROM FIJATIVO F4	14-18 m ² /L layer	1:4 water	1 o 2
	TKROM FIJATIVO F10 BLANCO	14-18 m ² /L layer	No dilution	1 o 2
	TKROM FIJADOR AL AGUA PLIOTEC	10-14 m ² /L layer	No dilution	1 o 2
PRIMING (Surfaces with low absorbency, aged paints)	TKROM FIJATIVO PENETRANTE F1	14-18 m ² /L layer	1:1 water	1 o 2
PRIMING (Carriers with micro-organisms)	TKROM LIMPIADOR REFORZANTE	N.A	No dilution	1 o 2
	TKROM IMPRIMACIÓN SELLADORA-SANEADORA	14-18 m ² /L layer	No dilution	1 o 2
FINISH	TKROM ECOLÓGICO MATE SM50 PRO	10-12 m ² /L layer	0-20% Depending on application system	1 o 2

CONDITIONS OF APPLICATION

Substrate Temp.	Min. +5°C / Max. +35°C
Ambient Temperature	5°C / 35°C
Cont. Humidity Substrate	Dry substrate with humidity < 5%. Cement mortars, allow to set completely (28 days minimum). Cementitious based products, allow to dry for at least 4 days before coating.

Dew Point	The substrate temperature must be at least 3°C above the dew point to reduce the risk of detachment or efflorescence.
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RECOMMENDATIONS FOR IMPLEMENTATION

Method of application	Brush, roller and spray.
Preparation	Shake to homogenise the product. Adjust viscosity with water. It is advisable to apply the second coat of the product perpendicular to the first coat to achieve optimum opacity.
Maintenance	It is not recommended to wash surfaces within 28 days of application.

RECOMMENDATIONS FOR IMPLEMENTATION

Health and safety	For any information concerning safety issues in the use, storage, transport and disposal of this product, users should consult the labelling and the most recent version of the product's MSDS, which contains the safety, ecological and toxicological information on the product.
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LER CODE: 08 01 12. WASTE: NON-HAZARDOUS

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, well closed, undamaged and protected from frost and direct sunlight.
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Tariff heading	TARIC code: 3209 10 00
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Note	The technical information given in this document, as well as the recommendations concerning the application and use of the product, are given in good faith, with data based on current knowledge of the product, laboratory tests and practical use under normal conditions of storage, handling and application. Complete reproducibility of the stated data for each individual use is not guaranteed. The user of the product should test the suitability of the product in accordance with the end use of the product.
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