



# ECOLÓGICO MATE SM70

## SALES FORMAT

12L, 4L



## DESCRIPTION

A matte emulsion paint based on vinyl copolymers. This product has been formulated with environmental protection and user health in mind. The paint is formulated without volatile organic compounds, solvents, heavy metals, ammonia or harmful toxic compounds. Easy to apply, with excellent coverage, yield and washability. It provides a comfortable finish free from unpleasant odours.

## SCOPE OF APPLICATION

Indoor/Outdoors. Ideal for decorating and protecting: interiors of homes, schools, hotels, care homes, restaurants, offices, public premises, nurseries, hospitals, etc. Allows painted areas to be used immediately after application and drying, without any unpleasant odours or fumes. It can even be applied in the presence of particularly sensitive individuals, such as children or the elderly.

## PROPERTIES

- VOC-free
- Contains no toxic compounds
- Excellent coverage
- Excellent washability
- Excellent performance
- Odourless

## TECHNICAL DATA

### CLASSIFICATION IN ACCORDANCE WITH UNE-EN 13300

Finish	Matte	UNE EN 13300
Gloss 85°	6 ± 2	ISO 2813
Particle size	Fine	ISO 1524
Wet abrasion resistance	Class 2 (7 microns)	ISO 11998
Contrast / Opacity and Coverage	Class 1 (99.5%) for a theoretical coverage of 4.7 m <sup>2</sup> /L and a dry film thickness of 94 microns Class 2 (98%) for a theoretical coverage of 8.9 m <sup>2</sup> /L and a dry film thickness of 51 microns	ISO 6504-3
Chemical composition	Water-based vinyl-ethylene emulsion, pigments and extenders	
Colour	White	
Berger Whiteness	92 ± 2	UNE 48073
Theoretical coverage	10–12 m <sup>2</sup> /L (40 dry microns)	ISO 23811
Density	1.66 ± 0.05 g/ml	ISO 2811-1
Viscosity	17 ± 5 Pa·s (20 rpm, R6)	ASTM D 2196-10
Volume solids	47 ± 3%	ISO 23811
Levelling index	4 (+ 10% water)	UNE 48043
Resistance to sagging	300 ± 25 microns (+ 10% water)	ISO 16862
Fire classification	A2-s1, d0	UNE-EN 13501-1 5234T24-2
VOC	< 1 g/l. Maximum value permitted by the EU: 30 g/L	2004/42/II A classification (a)
Diluents	Tap water	
Dilution	0–20 per cent depending on the application method	
Recoating time	4–6 hours	
Drying time	Touch-dry: 15–30 mins Fully dry: 30 mins – 1 hour Washable: 25–30 days	UNE 48301
Cleaning	Water	

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

## PREPARATION OF THE SUBSTRATE

### GENERAL INFORMATION

The surface must be sound, dry and free from dust, salts, loose or poorly adhered particles, or any other form of contamination that may affect the adhesion of the system. The strength of the substrate must be checked. Regardless of the substrate to be painted, the appearance must be evened out, and any differences in texture, gloss, absorbency, etc. must be corrected.

### NEW BUILD

Substrate types: rendering mortars, plasterboard, concrete, fibre cement and other building materials. Substrates in normal condition: no prior primer coat is required. Highly porous and/or absorbent substrates: apply a primer coat of TKROM FIJATIVO F4, TKROM FIJATIVO AL AGUA PLIOTEC or TKROM FIJATIVO F10 BLANCO, to prevent excessive absorption during subsequent painting. Smooth, low-absorbent surfaces: apply a primer coat of TKROM FIJATIVO F1. Where the substrate's absorbency is very low, it is recommended to sand the surface to open the pores.

### RESTORATION AND MAINTENANCE

Painted surfaces: any material in poor condition must be completely removed and the areas repaired until a sound, dry and clean substrate is achieved. Aged paintwork: it is advisable to apply a coat of TKROM FIJATIVO F1 primer to strengthen the outer layer by creating a resin mesh that also allows the surface to breathe, reduces absorption and facilitates subsequent painting. Aged, unpainted surfaces: the strength of the substrate must be checked. For powdery, sandy and/or highly absorbent surfaces, apply a coat of TKROM FIJATIVO F4, TKROM FIJATIVO AL AGUA PLIOTEC or TKROM FIJATIVO F10 BLANCO primer to even out and stabilise the substrate. Surfaces with microorganisms: remove mould and/or fungi by wet cleaning, then apply one to two coats of TKROM LIMPIADOR REFORZANTE, allowing 12 hours between coats. If the substrate is severely damaged, it is advisable to apply one coat of TKROM IMPRIMACIÓN SELLADORA-SANEADORA, following the manufacturer's instructions. Surfaces showing efflorescence: remove efflorescence and alkalinity using appropriate treatments, then apply one coat of TKROM FIXATIVE F1 primer.

## APPLICATION SYSTEM

System	Product	Yield	Dilution	Coats
PRIMER (Highly porous substrates, aged unpainted surfaces, substrates with efflorescence)	TKROM FIJATIVO F4	14–18 m <sup>2</sup> /L per coat	1:4 water	1 or 2
PRIMER (Highly porous substrates, aged unpainted surfaces, substrates with efflorescence)	TKROM FIXATIVE F10 WHITE	14–18 m <sup>2</sup> /L per coat	Undiluted	1 or 2
PRIMER (Highly porous substrates, aged unpainted surfaces, substrates with efflorescence)	TKROM FIJADOR AL AGUA PLIOTEC	10–14 m <sup>2</sup> /L per coat	Undiluted	1 or 2
PRIMER (Low-absorbency surfaces, aged paints)	TKROM PENETRATING PRIMER F1	14–18 m <sup>2</sup> /L per coat	1:1 water	1 or 2
PRIMER (Substrates containing microorganisms)	TKROM LIMPIADOR REFORZANTE	N.A.	Undiluted	1 or 2
PRIMER (Substrates containing microorganisms)	TKROM IMPRIMACIÓN SELLADORA-SANEADORA	14–18 m <sup>2</sup> /L per coat	Undiluted	1 or 2
FINISH	TKROM ECOLOGICAL MATTE SM70	10–12 m <sup>2</sup> /L per coat	0–20%, depending on the application method	1 or 2

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

## APPLICATION CONDITIONS

<b>Substrate temperature</b>	Min. +5°C / Max. +35°C
<b>Ambient temperature</b>	5°C / 35°C
<b>Substrate Moisture Content</b>	Dry substrate with a moisture content of < 5%. Cement mortars: allow to set completely (minimum 28 days). Cement-based products: allow to dry for at least 4 days before applying the coating.
<b>Dew Point</b>	The substrate temperature must be at least 3°C above the dew point to reduce the risk of peeling or efflorescence.

## APPLICATION RECOMMENDATIONS

<b>Application method</b>	Brush, roller and spray application.
<b>Preparation</b>	Stir to ensure the product is thoroughly mixed. Adjust the viscosity with water. It is advisable to apply the second coat at right angles to the first coat to achieve optimum opacity.
<b>Maintenance</b>	It is not recommended to wash the surfaces until 28 days after the product has been applied.

## APPLICATION RECOMMENDATIONS

<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 product's Safety Data Sheet, which contains information on the product's safety, environmental impact and toxicology.</p> <p>LER CODE: 08 01 12. WASTE: NON-HAZARDOUS</p>
<b>Storage</b>	The product will remain stable in its original, unopened containers, 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, tightly sealed, undamaged packaging, protected from frost and direct sunlight.
<b>Tariff heading</b>	TARIC code: 3209 10 00
<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.