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PRODUCT

TKROM ORGANIC MATT SM-70

CONTAINERS

12 L, 4 L

PRODUCT DESCRIPTION

Matt plastic paint based on vinyl copolymers. This product has been formulated to safeguard environmental and user health. Paint formulated without volatile organic compounds, solvents, heavy metals, ammonia, or harmful toxic compounds.

A top-quality product that is easy to apply and has great coverage, performance, and washability. To paint comfortably without unpleasant odours.

USES/SCOPE OF APPLICATION

The perfect product to decorate and protect: the interior of houses, schools, hotels, residences, restaurants, offices, public places, nurseries, hospitals, etc. It allows for using painted spaces immediately after application and drying, without leaving unpleasant odours and vapours. It can be applied even in the presence of particularly sensitive people, such as children or the elderly.

PROPERTIES

Free of volatile organic compounds, solvents, heavy metals, ammonia, or harmful toxic compounds.
Suitable for indoors and outdoors.
Matt finish.
Great coverage.
Great washability.
Great performance.
Odourless.

TECHNICAL DATA

CLASSIFICATION ACCORDING TO UNE EN 13300

Finish	Matt		IL-0130-01
85° gloss	6 ± 2	ISO 2813	IL-0130-01
Particle size	Fine	ISO 1524	IL-0130-09
Resistance to wet rubbing	Class 2 (7 microns)	ISO 11998	IL-0130-17
Performance and contrast/Opacity ratio	Class 1 (99.5%) for theoretical performance of 4.7 m ² /L and 94 microns of dry film Class 2 (98%) for theoretical performance of 8.9 m ² /L and 51 microns of dry film	ISO 6504-3	IL-0130-05



ADDITIONAL TECHNICAL DATA

Chemical Composition	Aqueous vinyl ethylene dispersion, pigments and extenders		
Colour	White		
Berger whiteness	92 ± 2	UNE 48073	IL-0130-02
Theoretical performance	10 -12 m ² /l (40 dry microns)	ISO 23811	IL-0130-11
Density	1.66 ± 0.05 g/ml	ISO 2811-1	IL-0130-06
Viscosity	18 ± 2 Pa.s (20 rpm, R6)	ASTM D 2196-10	IL-0130-07
Solids by volume	47 ± 3%	ISO 23811	IL-0130-14
Drying time	15-30 min dry to touch 30 min - 1 h complete dry 25-30 days	UNE 48301	IL-0130-15
Repainting time	4-6 hours		
Levelling index	4 (+10% of water)	UNE 48043	IL-0130-27
Resistance to sagging	>300 microns (+ 10% of water)	ISO 16862	IL-0130-28
Classification according to fire behaviour	B-s1, d0	EN 13501-1: 2018	3800T19-2
VOC	< 30 g/L Maximum value allowed by the EU: 30 g/L	Directive 2004/42/II A Classification	
Product VOC	< 1 g/L	ISO 11890-2	No. 076907-
Dilution	0 to 20% depending on the application system		
Thinner	Water		

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

SURFACE PREPARATION

OVERVIEW

The surface must be compact, dry, free of dust, salts, loose or poorly-adhered parts, or any kind of contamination that may interfere with the system adhesion. Surface resistance must be checked. Regardless of the surface to be painted, the appearance must be homogeneous, and all possible differences in texture, gloss, absorption, etc. must be corrected.

NEW CONSTRUCTION

Type of surface: plastering mortars, plasterboard plates, concrete, fibre cement, and other construction materials.

Surfaces under normal conditions: It is not necessary to apply a primer coat previously.

Very porous and/or absorbent surfaces: Apply a coat of the primer TK-5908 TKROM FIXATIVE F4 or TK-0721 TKROM FIXATIVE F10 WHITE in order to prevent excessive absorption during subsequent painting.

Smooth surfaces with low absorbing power: Apply a coat of the primer TK-5907 TKROM PENETRATING FIXATIVE F1. If the surface has very low absorption power, it is recommended to sand the surface to grain it.

RESTORATION AND MAINTENANCE

Painted surfaces: Spoiled materials must be completely removed and areas must be repaired until obtaining a dry and clean surface that is in good conditions.

Aged paint: It is recommended to apply a coat of the primer TK-5907 TKROM PENETRATING FIXATIVE F1 in order to strengthen the outer coat by creating a resin grid that improves breathability, reduces absorption and eases subsequent painting.

Unpainted aged surfaces: Surface resistance must be checked. In the case of sprayed, sandy and/or very absorbent surfaces, apply a coat of the primer TK-5908 TKROM FIXATIVE F4 or TK-0721 TKROM FIXATIVE F10 WHITE in order to even and fix the surface.

Surfaces with microorganisms: Remove moulds and/or fungi by wet cleaning and apply one or two coats of TK-5905 TKROM STRENGTHENING CLEANER, waiting 12 hours between each coat. If the surface is severely damaged, it is advisable to apply a coat of the primer TK-5905 TKROM SEALING-SANITISING PRIMER, following the manufacturer's instructions.

Surfaces with efflorescences: Remove efflorescences and alkalinity with the adequate treatments, apply a coat of the primer TK-5907 TKROM PENETRATING FIXATIVE F1.

In case of doubts regarding the treatment of the above-mentioned surfaces or the painting of other specific materials not included in this sheet, please, consult the appropriate treatment with technical personnel accredited by the TKROM GROUP.

APPLICATION SYSTEM

SYSTEM	PRODUCT	THEORETICAL PERFORMANCE	DILUTION	COATS
PREPARATION (Very porous surfaces, unpainted aged surfaces, surfaces with efflorescences)	TKROM FIXATIVE F4 TK-5908	14-18 m ² /L coat	1:4 of water	1 or 2
	TKROM FIXATIVE F10 WHITE TK-0721	14-18 m ² /L coat	Undiluted	1 or 2
PREPARATION (Surfaces with low absorbing power, aged paint)	TKROM PENETRATING FIXATIVE F1 TK-5907	14-18 m ² /L coat	1:1 of water	1 or 2
PREPARATION (Surfaces with microorganisms)	TKROM STRENGTHENING CLEANER TK-5905	n/a	Undiluted	1 or 2
	TKROM SEALING- SANITISING PRIMER TK-5906	14-18 m ² /L coat	Undiluted	1 or 2
FINISH	TKROM ORGANIC MATT SM-70 TK-0130	10-12 m ² /L coat	0-20 % of water, depending on the application system	1 or 2

CONDITIONS OF APPLICATION

Substrate temp.	Min. +5°C / Max.
Ambient Temp.	5°C / 35°C
Substrate Moisture Content	Dry surface with < 5% humidity For cement mortars, wait until completely set (at least 28 days). For cement-based products, allow it to dry for at least 4 days before coating.
Dew Point	The surface temperature shall be at least 3 °C above the dew temperature to reduce the risk of detachment or efflorescence.

APPLICATION RECOMMENDATIONS

Application method	Brush, roller and gun spraying.
Preparation	Shake to homogenise product. Adjust viscosity using water. It is advisable to apply the second coat of the product perpendicular to the first coat in order to achieve optimum opacity.
Dilution	0 to 20% depending on the application system. A maximum dilution of 10% is recommended for brush or roller application and a maximum dilution of 20%, for spray gun application
Cleaning	Utensils should be cleaned with water immediately after use.
Maintenance	Washing the surfaces within 28 days after the application of the product is not recommended.

ADDITIONAL INFORMATION

Health and Safety	For any information regarding safety issues in the use, storage, transport, and disposal of this product, users should consult the labelling and the latest version of its corresponding Safety Data Sheet, which contains the safety, ecological and toxicological information on the product. Safety Data Sheet: MSDS-0130 LoW CODE: 08 01 12 WASTE: NON-HAZARDOUS
Storage	The shelf-life of the product in the original unopened container at ambient temperatures not exceeding 30 °C or reaching less than 5 °C shall be 24 months from the manufacture date. Store in a cool and dry place and keep the original container well-closed, undamaged, and protected from frost and direct sunlight.
Tariff heading	TARIC code: 3209 10 00
NOTE	The technical information included in this document, as well as the recommendations regarding the application and use of the product, are provided in good faith and contain data based on current knowledge on the product, laboratory trials, and practical use under normal storage, handling and application conditions. The accurate reproducibility of included data is not guaranteed for each specific use. The user must carry out product suitability tests according to the end use of the product.



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