



TKSILAN

SALES FORMAT

12L, 4L, 1L



DESCRIPTION

High quality coating formulated with silicone resins, offering excellent water vapour permeability. With matte mineral finish and high whiteness, it is suitable for painting large and continuous areas. Thanks to its curing technology, it guarantees long drying times for flawless topcoats.

SCOPE OF APPLICATION

Exterior / Interior. Particularly suitable for painting plasterboard.

PROPERTIES

- Finish matte mineral
- No noticeable revisions
- Very high performance
- Excellent coverage
- Suitable for indoor and outdoor use
- Excellent washability
- Excellent application and levelling
- Pleasant aroma

Contains preservative ANTIMOLD and ANTIALGAE

TECHNICAL DATA

CLASSIFICATION ACCORDING TO UNE EN 13300

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| Finishing | Mineral matte | | |
| Brightness 85°. | 1,5 ± 1 | ISO 2813 | |
| Particle size | Fine (<100 microns) | ISO 1524 | |
| Wet scrub resistance | Class 1 (<5 microns) | ISO 11998 | |
| Contrast/Opacity Ratio and Rendering | Class 1 (99.5%) for a theoretical yield of 7.1 m ² /L and 59 microns of dry film Class 2 (98%) for theoretical yield of 14 m ² /L and 31 microns dry film | ISO 6504-3 | |
| Chemical composition | Silicone resin dispersion and vinyl copolymers, pigments and extenders | | |
| Colour | White | | |
| Berger Whiteness | 94 ± 2 | UNE 48073 | |
| Theoretical performance | 13 -15 m ² /l (30 microns dry) | ISO 23811 | |
| Density | 1,53 ± 0,05 g/ml | ISO 2811-1 | |
| Viscosity | 17 ± 3 Pa.s (20 rpm, R6) | ASTM D 2196-10 | |
| Solids by volume | 43 ± 2% | ISO 23811 | |
| Levelling index | 6 (+20% water) | UNE 48043 | |
| Drop resistance | 300 ± 25 microns (+20% water) | ISO 16862 | |
| Fire classification | A2-s1, d0 | UNE-EN 13501-1 | UNE-EN 13501-1 |

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| VOC | < 5 g/L. EU maximum permitted value: 30 g/L | 2004/42/II A Classification (a) |
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| Diluent | Water |
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| Dilution | 10 to 30% depending on application system |
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| Repainting time | 4-6 hours |
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| Drying time | Touch dry: | 25-40 min | UNE 48301 |
| | Total drying: | 40 min - 1h | |
| | Washing:: | 25-30 days | |

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| Cleaning | Water |
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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. coats Substrates with microorganisms: eliminate 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 |
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| 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 | 14-18 m ² /L layer | No dilution | 1 o 2 |
| PRIMING (low absorbent surfaces, weathered paintwork) | 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 IMPRIMACION SELLADORA-SANEADORA | 14-18 m ² /L layer | No dilution | 1 o 2 |
| FINISH | TKSILAN | 13-15 m ² /L layer | 10-30% water, depending on application system. | 1 o 2 |

CONDITIONS OF APPLICATION

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| Substrate Temp. | Min. +5°C / Max. +35°C |
| Ambient Temperature | 5°C / 35°C |
| Moisture content Substrate | Dry substrate with humidity < 5 %. Cement mortars, allow to set completely (28 days minimum). Cement-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. |

RECOMMENDATIONS FOR IMPLEMENTATION

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| Method of application | Brush, roller and spray. |
| Preparation | Shake to homogenise the product. Adjust the viscosity with water. The second coat of the product should be applied perpendicular to the first coat to achieve optimum opacity. |
| Dilution and maintenance | 10 to 30% depending on the application system. A maximum dilution of 20% is recommended for brush or roller application and a maximum dilution of 30% for spray application. It is not recommended to wash the surfaces before 28 days after application. |

ADDITIONAL DATA

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| 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

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| 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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