



REVESTIMIENTO PETREO SILOXANOS

SALES FORMAT

15L, 4L



DESCRIPTION

Stone coating based on siloxanes and polysiloxanes, for the protection of facades. With a smooth finish, it provides hydrophobicity, increasing its water repellency. It is waterproof, breathable, with very good hardness and adherence to the different materials used in construction and great resistance to atmospheric agents. Formulated and designed especially for professional use in both new construction and renovation.

SCOPE OF APPLICATION

Outdoor. Professional use. Wall surfaces. Cement. Facades. Cement mortar. Porous brick.

PROPERTIES

- Water repellent capacity
- Breathable to water vapour
- Alkalinity resistant
- Maximum impermeability to rainwater
- Highly resistant to alkalinity
- Resistant to atmospheric agents
- Resistant to chalking and yellowing
- Good adhesion
- Deep matt smooth finish
- Easy to apply

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EUPINCA S.A. C/ LONDRES, 13 POL. IND. CABEZO BEAZA 30353 - TORRECIEGA CARTAGENA
Nº CERTIFICADO: 1170/CPR/ER.03587 EN 1504-2:2004
TKROM REVESTIMIENTO PÉTREO REVESTIMIENTOS PARA PROTECCIÓN SUPERFICIAL USOS: CONTROL DE LA HUMEDAD AUMENTO DE LA RESISTIVIDAD

Contains preservative ANTIMOLD

TECHNICAL DATA

CLASSIFICATION ACCORDING TO UNE-EN-1062

Finishing	G3 MATTE	UNE-EN 1062-1	
Brightness 85°.	< 5	ISO 2813	
Dry film thickness	E1 (50 microns per layer)	UNE-EN 1062-1	
Maximum particle size	S1 (<100 microns) Fine	ISO 1524	
Water vapour permeability	V1 (high) Sd < 0.14 m	ISO 7783-2	NO: 076122
Permeability to liquid water	W3 (low) < 0,1 kg/ (m2 - h0.5)	UNE-EN 1062-3	NO: 076122

ADDITIONAL TECHNICAL DATA

Chemical composition	Aqueous dispersion acrylic copolymers		
Colour	White		
Theoretical performance	8-10 m2/L (50 microns dry)	ISO 23811	
Density	1,57 ± 0,05 g/mL	ISO 2811-1	
Viscosity	13 ± 3 Pa-s (20 rpm, R6)	ASTM D 2196-10	
Solids by volume	45 ± 2%	ISO 23811	
Fire classification	B-s1,d0	EN 13501-1: 2018	4522T22-2
VOC	<27 g/L. EU maximum permitted: 40 g/L.	2004/42/II A Classifi- cation (c)	
Diluent	Mains water		
Dilution	0 - 20 % Depending on application system		
Repainting time	4-6 hours		
Drying time	Touch-drying	30 min	UNE 48301
	Total drying	20-30 days	
	Washing:	25-30 days	
Cleaning	Water		

PREPARATION OF THE SUBSTRATE

GENERAL RECOMMENDATIONS

Outdoors, do not apply if rain is expected, in full midday sun or on humid days.

UNPAINTED OR NEW SURFACES:

On exteriors, clean the entire surface by mechanical means, e.g. high-pressure water jetting. The surface should be consistent and firm, with no tendency to flake or peel. If the substrate needs to be levelled, repair with suitable products from the TKROMPLAST range. To even out absorption and consolidate the surface, apply a coat of TKROM FIJATIVO F-1, TKROM FIJATIVO F-4, TKROM FIJADOR AL AGUA PLIOTEC.

ALREADY PAINTED SURFACES:

For outdoor use, clean the entire surface by mechanical means, e.g. high-pressure water jet. Make sure that the substrate is solid and firm. Check the state of the previous paintwork, eliminating cracked and/or not perfectly adhered parts. Repair imperfections and proceed as indicated for new surfaces.

SPECIAL CONSIDERATIONS FOR WELL MAINTAINED MEDIA

CONCRETE

The surface must be dry and have the necessary air maturing time (minimum 4 weeks). The substrate must meet the requirements of the concrete standard UNE-EN ISO 1504-2, in its performance requirements for coatings.

MORTARS

Removal of efflorescence and alkalinity by means of suitable products, e.g. treatment with hydrochloric acid (salfuman) diluted with 10 parts water.

FIBROCEMENT

Eliminate alkalinity according to mortar considerations.

POROUS GYPSUM:

In order to prevent excessive absorption in subsequent painting, apply a coat of TKROM FIJATIVO F-4.

FRAGILE GYPSUM:

To strengthen the outer layer by creating a resin grid that also allows breathability, reduces absorption and facilitates subsequent painting, apply a coat of TKROM FIJATIVO F1.

MASONRY PLASTERING AND RENDERING:

The state of the substrate must comply with the standard for mortars UNE-EN 998-2, and following its specifications, the adhesion value to the substrate must be in accordance with that specified in the CE marking of the substrate manufacturer. In no case should it be less than 0.2 N/mm². The average value must be 0.3 N/mm².

ANCIENT PAINTINGS:

The quality of old coatings is important. Their adhesion must not be less than 0.7 N/mm², and the average value in samples must be greater than 1 N/mm² (UNE-EN ISO 1504-2 standard). Clean the entire surface with a steam jet or high-pressure water jet. In case of glossy paints, open the pore with mechanical means and proceed as new surfaces.

SPECIAL CONSIDERATIONS FOR SUPPORTS IN POOR CONDITION:

BLACKENING CAUSED BY MOULDS AND ALGAE:

Remove and disinfect by vigorously scrubbing the stains with a brush using household bleach. Next, treat the surface with TKROM LIMPIADOR REFORZANTE and then apply a coat of TKROM IMPRIMACIÓN SELLADORA-SANEADORA.

SALITRE:

Scraping with a brush or machine polishing and subsequent chemical treatment with hydrochloric acid (Salfuman) diluted with 10 parts water. Then treat with TKROM FIJATIVO F-1.

RUST STAINS FROM THE FLOOR SLABS:

Give two coats of TKROM SUPERLITE ANTIMANCHAS.

OLD PAINTS WITH POOR ADHESION:

In case of adhesion of less than 0.7 N/mm² (UNE-EN ISO 1504-2 standard), use suitable mechanical means to remove the old paint. The substrate must be suitably prepared to accept the new finish. Proceed as for new substrates.

INCONSISTENT SURFACES:

APPLICATION SYSTEM

Surfaces with pathologies such as chipping, cracking, chalking, blistering, etc., need to be treated by completely removing the existing paint by mechanical means.

Next, apply a coat of any of the following products: TKROM FIJATIVO F-1, TKROM FIJATIVO F-4 o TKROM FIJADOR AL AGUA PLIOTEC, and proceed as indicated for new surfaces.

APPLICATION SYSTEM

SYSTEM	PRODUCT	THEORETICAL PER. DILUTION		LAYERS
PRIMER (very porous substrates, unpainted aged surfaces, substrates with efflorescence)	TKROM FIJATIVO F4	14-18 m ² /L	1:4 water	1 o 2
	TKROM FIJADOR AL AGUA PLIOTEC	10-14 m ² /L	No dilution	1 o 2
COATING (Surfaces with low absorbency, aged paints)	TKROM FIJATIVO F1	14-18 m ² /L	1:1 water	1 o 2
COATING (Substrates with micro-organisms)	TKROM LIMPIADOR REFORZANTE	n.a.	No dilution	1 o 2
	TKROM IMPRIMACIÓN SELLADORA-SANEADORA	14-18 m ² /L	No dilution	1 o 2
PRIMING	TKROM REVESTIMIENTO PETREO SILOXANO	10-12 m ² /L	15-25% water	1
FINISH	TKROM REVESTIMIENTO PETREO SILOXANO	8-10 m ² /L	< 10 % water	2

CONDITIONS OF APPLICATION

Substrate and Ambient Temp.	Min. +5°C / Max. +35°C
Ambient humidity	Max. 80% of the total
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.
Rocio 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

Product preparation	Stir until the product is well homogenised.
Method of application	Brush, roller and spray application. It can be applied by brush, short nap roller or airless spraying. For airless spraying, use the following: 150 bar pressure, 0.38-0.53 mm nozzle, application angle 50°-80°.
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.

ADDITIONAL DATA

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 MSDS, which contains safety, ecological and toxicological information on the product.
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Safety Data Sheet: Please refer to the most recent version. LER CODE: 08 0112 | WASTE TYPE: 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, tightly 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	Note: The data indicated in this technical data sheet may be modified according to possible variations in formulation and in any case they express indicative values which do not exempt from carrying out the appropriate tests of suitability of the product for a specific job.
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