SUPERCARRARA LISO EXTRA 10

SALES FORMAT

15L, 4L, 1L

DESCRIPTION

Smooth façade coating, based on a high-tech, 100% pure acrylic polymer dispersion. Waterproof and breathable, with excellent hardness and adhesion. Very good resistance to alkalinity and to severe environmental and industrial conditions. This paint is specially designed to combat the carbonation of concrete caused by carbon dioxide in the air. On drying, it forms a film with very good resistance to the diffusion of carbon dioxide and chlorides, whilst maintaining high levels of water vapour permeability, allowing the concrete to breathe and thus providing a highly effective anti-carbonation effect.

SCOPE OF APPLICATION

Outdoors. Preventative protection for new reinforced concrete structures in aggressive environments. A protective coating providing a smooth, aesthetic finish, suitable for both new and repaired substrates such as mortar, concrete and porous brick, as well as for the protection of fibre cement, without altering the surface texture.

PROPERTIES

- Anti-carbonation
- Highly resistant to alkalinity
- Protection against atmospheric agents
- Lightfast solid colours
- Waterproof against rain
- Resistance to chalking and yellowing
- High elasticity under structural movement
- Excellent adhesion
- Easy to apply

Contains an ANTIMOLD and anti-algae preservative

Disponible TKROMATIC

TECHNICAL DATA

CLASSIFICATION IN ACCORDANCE WITH UNE-EN-1062

Finish	G3 MATTE	UNE-EN 1062-1 (14_06822-1)
Gloss 85°	< 5	ISO 2813 (14_06822-1)
Dry film thickness	E1 (50 microns per coat)	UNE-EN 1062-1
Maximum particle size	S1 (<100 microns) Fine	ISO 1524 (14_06822-1)
Water vapour permeability	V1 (high) Sd < 0.14 m	ISO 7783-2 (14_06822-1)
Permeability to liquid water	W3 (low) < 0.1 kg/(m²·h$^{0.5}$)	UNE-EN 1062-3 (14_06822-1)
CO_2 permeability	C1 Sd > 50 m	UNE-EN 1062-6 (14_06822-1)
Chemical composition	100% pure acrylic water-based emulsion	
Colour	White and colours	
Theoretical coverage	7–9 m²/L (50 dry microns)	ISO 23811
Density	1.48 ± 0.05 g/mL	ISO 2811-1
Viscosity	20 ± 10 Pa·s (20 rpm, R6)	ASTM D 2196-10
Volume solids	44 ± 2%	ISO 23811
Fire classification	B-s1,d0	EN 13501-1: 2018 (4525T22-2)
VOC	<5 g/L. EU maximum limit: 40 g/L	2004/42/II A Classification (c)
Diluents	Tap water	
Dilution	0–20%, depending on the application method	
Recoating interval	4–6 hours	
Drying time	Touch-dry: 30 mins | Fully dry: 20–30 days | Washable: 25–30 days	UNE 48301
Cleaning	Water	

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

SUBSTRATE PREPARATION

GENERAL RECOMMENDATIONS

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

UNPAINTED OR NEW SURFACES:

Outdoors, clean the entire surface using mechanical methods, such as high-pressure water jetting. The surface must be consistent and firm, with no tendency to crumble or flake off. If the substrate needs levelling, repair it using the appropriate products from the TKROMPLAST range. To even out absorption and consolidate the surface, apply one coat of TKROM FIJATIVO F-1, TKROM FIJATIVO F-4 or TKROM FIJADOR AL AGUA PLIOTEC.

ALREADY PAINTED SURFACES:

Outdoors, clean the entire surface using mechanical methods, such as high-pressure water jetting. Ensure that the substrate is sound and stable. Check the condition of the existing paintwork, removing any cracked and/or poorly adhered sections. Repair any imperfections and proceed as indicated for new surfaces.

SPECIAL CONSIDERATIONS FOR SURFACES IN GOOD CONDITION

CONCRETE

The surface must be dry and have undergone the necessary air-drying period (minimum 4 weeks). The substrate must comply with the requirements of the concrete standard UNE-EN ISO 1504-2, specifically the performance requirements for coatings.

MORTARS

Removal of efflorescence and alkalinity using suitable products, for example, treatment with hydrochloric acid (sulfuric acid) diluted with 10 parts of water.

FIBRE-CEMENT

Eliminating alkalinity in accordance with guidelines for mortars.

POROUS PLASTERS:

To prevent excessive absorption during subsequent painting, apply one coat of TKROM FIJATIVO F-4.

FRAGILE PLASTERS:

To strengthen the outer layer by creating a resin mesh that also allows vapour to pass through, reduces absorption and facilitates subsequent painting, apply one coat of TKROM FIJATIVO F1.

PLASTERS AND RENDERING:

The condition of the substrate must comply with the UNE-EN 998-2 standard for mortars, and in accordance with its specifications, the adhesion value to the substrate must meet the requirements specified in the substrate manufacturer's CE marking. Under no circumstances should it be less than 0.2 N/mm². The average value should be 0.3 N/mm².

ANTIQUE PAINTS:

The quality of existing coatings is important. Their adhesion must not be less than 0.7 N/mm², and the average value from sampling must be greater than 1 N/mm² (standard UNE-EN ISO 1504-2). Ensure the entire surface is thoroughly cleaned using a steam jet or high-pressure water jet. In the case of glossy paints, open the pores using mechanical means and treat the surface as if it were new.

SPECIAL CONSIDERATIONS FOR SURFACES IN POOR CONDITION:

DARKENING CAUSED BY MOULD AND ALGAE:

Proceed to remove and disinfect the stains by scrubbing them vigorously with a brush using domestic bleach. Next, treat the surface with TKROM LIMPIADOR REFORZANTE and then apply one coat of TKROM IMPRIMACIÓN SELLADORA-SANEADORA.

SALITRE:

Scratch with a brush or machine-polish, followed by chemical treatment with hydrochloric acid (Salfuman) diluted with 10 parts water. Then treat with TKROM FIJATIVO F-1.

RUST STAINS ORIGINATING FROM SLABS:

Apply two coats of TKROM SUPERLITE ANTIMANCHAS.

OLD PAINT COATS WITH POOR ADHESION:

If adhesion is less than 0.7 N/mm² (UNE-EN ISO 1504-2 standard), use suitable mechanical methods to remove the old paint. The substrate must be properly prepared to accept the new finish. Proceed as with new substrates.

SUBSTRATE PREPARATION

INCONSISTENT SURFACES:

Surfaces with defects such as flaking, cracking, efflorescence, blistering, etc., will need to be treated by completely removing the existing paint by mechanical means. Next, apply one coat of any of the following products: TKROM FIJATIVO F-1, TKROM FIJATIVO F-4 or TKROM FIJADOR AL AGUA PLIOTEC, and proceed as indicated for new surfaces.

APPLICATION SYSTEM

System	Product	Yield	Dilution	Coats
PRIMING (Highly porous substrates, weathered unpainted surfaces, substrates with efflorescence)	TKROM FIJATIVO F4	14–18 m²/L	1:4 water	1 or 2
PRIMING (Highly porous substrates, weathered unpainted surfaces, substrates with efflorescence)	TKROM FIJADOR AL AGUA PLIOTEC	10–14 m²/L	Undiluted	1 or 2
PRIMING (Low-absorbency surfaces, aged paints)	TKROM FIXATIVE F1	14–18 m²/L	1:1 water	1 or 2
PRIMING (Substrates with microorganisms)	TKROM LIMPIADOR REFORZANTE	n.a.	Undiluted	1 or 2
PRIMING (Substrates with microorganisms)	TKROM IMPRIMACIÓN SELLADORA-SANEADORA	14–18 m²/L	Undiluted	1 or 2
PRIMER	TKROM SUPERCARRARA EXTRA 10	10–12 m²/L	15–25% water	1
FINISH	TKROM SUPERCARRARA EXTRA 10	7–9 m²/L	< 10 % water	2

APPLICATION CONDITIONS

Substrate and Ambient Temperature	Min. +5°C / Max. +35°C
Ambient humidity	Max. 80%
Substrate Moisture	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.
Dew Point	The substrate temperature must be at least 3°C above the dew point to reduce the risk of peeling or efflorescence.

APPLICATION RECOMMENDATIONS

Product preparation	Stir until the product is thoroughly mixed
Application method	Brush, roller and spray application. It can be applied using a brush, a short-pile roller or sprayed using airless equipment. For application using airless equipment, use the following: pressure of 150 bar, nozzle size 0.38–0.53 mm, application angle 50°–80°.
Preparation	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.

ADDITIONAL INFORMATION

Health and safety	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 Safety Data Sheet, which contains information on the product's safety, environmental impact and toxicology. Safety Data Sheet: Please refer to the latest version. LER CODE: 08 01 11 WASTE TYPE: HAZARDOUS
Storage	The product will remain stable in its original, unopened packaging 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.
Tariff heading	TARIC code: 3209 10 00
Note	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.