



# CARRARA R50 LISO



## SALES FORMAT

15L, 4L

### DESCRIPTION

Smooth coating for facades based on an acrylic copolymer, waterproof and breathable, with high hardness, resistance and smoothness of application. Excellent adhesion to the different materials used in construction.

### SCOPE OF APPLICATION

Exterior. Wall surfaces. Cement. Facades. Unvarnished wood. Cement mortar. Porous brick.

### PROPERTIES

- Alkalinity resistant
- Resistant to atmospheric agents
- Lightfast colours
- Good water vapour permeability
- Rain waterproof
- Very good adhesion
- Easy to apply

Contains preservative **ANTIMOLD**

### TECHNICAL DATA

#### CLASSIFICATION ACCORDING TO UNE-EN-1062

Finishing	G3 MATTE	UNE-EN 1062-1
Brightness 85°.	< 3	ISO 2813
Dry film thickness	E1 (50 microns per layer)	UNE-EN 1062-1
Maximum particle size	S1 (<100 microns) Fine	ISO 1524

#### ADDITIONAL TECHNICAL DATA

Chemical composition	Aqueous dispersion acrylic copolymers	
Colour	White	
Theoretical performance	8-10 m <sup>2</sup> /L (50 microns dry)	ISO 23811
Density	1,64 ± 0,05 g/mL	ISO 2811-1
Viscosity	15 ± 3 Pa·s (20 rpm, R6)	ASTM D 2196-10
Solids by volume	46 ± 2%	ISO 23811

VOC	<26 g/L. EU maximum permitted: 40 g/L.	2004/42/II A Classification (c)
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Diluent	Mains water	
Dilution	0 - 20 % Depending on application system	
Repainting time	4-6 hours	
Drying time	Touch-drying	30 min
	Total drying	20-30 days
	Washing:	25-30 days
Cleaning	Water	

## PREPARATION OF THE SUBSTRATE

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### GENERAL RECOMMENDATIONS

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

#### UNPAINTED OR NEW SURFACES:

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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:

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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

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#### CONCRETE

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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

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

#### FIBROCEMENT

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Eliminate alkalinity according to mortar considerations.

#### POROUS GYPSUM:

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

#### FRAGILE GYPSUM:

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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:

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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/mm<sup>2</sup>. The average value must be 0.3 N/mm<sup>2</sup>.

#### ANCIENT PAINTINGS:

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The quality of old coatings is important. Their adhesion must not be less than 0.7 N/mm<sup>2</sup>, and the average value in samples must be greater than 1 N/mm<sup>2</sup> (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/mm<sup>2</sup> (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
<b>PRIMER</b> (very porous substrates, unpainted aged surfaces, substrates with efflorescence)	TKROM FIJATIVO F4	14-18 m <sup>2</sup> /L	1:4 water	1 o 2
	TKROM FIJADOR AL AGUA PLIOTEC	10-14 m <sup>2</sup> /L	No dilution	1 o 2
<b>COATING</b> (Surfaces with low absorbency, aged paints)	TKROM FIJATIVO F1	14-18 m <sup>2</sup> /L	1:1 water	1 o 2
<b>COATING</b> (Substrates with micro-organisms)	TKROM LIMPIADOR REFORZANTE	n.a.	No dilution	1 o 2
	TKROM IMPRIMACIÓN SELLADORA-SANEADORA	14-18 m <sup>2</sup> /L	No dilution	1 o 2
<b>PRIMING</b>	TKROM CARRARA R50 LISO	10-12 m <sup>2</sup> /L	15-25% water	1
<b>FINISH</b>	TKROM CARRARA R50 LISO	8-10 m <sup>2</sup> /L	< 10 % water	2

## CONDITIONS OF APPLICATION

<b>Substrate and Ambient Temp.</b>	Min. +5°C / Max. +35°C
<b>Ambient humidity</b>	Max. 80% of the total
<b>Humidity Substrate</b>	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.
<b>Rocio Point</b>	The substrate temperature must be at least 3°C above the dew point to reduce the risk of detachment or efflorescence.

## RECOMMENDATIONS FOR IMPLEMENTATION

<b>Product preparation</b>	Stir until the product is well homogenised.
<b>Method of application</b>	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°.
<b>Preparation</b>	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

<b>Health and safety</b>	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

<b>Storage</b>	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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<b>Tariff heading</b>	TARIC code: 3209 10 00
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<b>NOTE</b>	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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