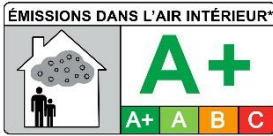


ROYAL GUARD PLASTER

Ecological lime-based coating for interiors and exteriors

CHARACTERISTICS AND USES:



ROYAL GUARD is a natural and ecological decorative coating, of high quality powder, based on NHL5 hydraulic lime, hydrated lime, carbonate sands, micronized marbles, workability regulators and valuable fillers such as marbles etc. It is used both in new buildings and on buildings of historic interest. It can be used both indoors and outdoors and gives the wall a silky touch finish of the highest quality.

The product can be colored upon customer request with natural earths or oxides and can be enhanced with the addition of ground marble or other valuable aggregates.

ROYAL GUARD is characterized by:

- Totally natural product
- No VOCs
- Wide choice of finishes available
- High range of customizable colors
- Excellent workability.
- Excellent resistance to atmospheric agents in all environmental conditions
- High adhesion to the support
- Excellent vapor permeability
- High resistance to carbonation
- Washable
- Pleasant appearance
- Also impedes the development of moulds and bacterial colonies

ROYAL GUARD complies with regulation 2004/42/EC (Legislative Decree no. 161 of 27 March 2006) as regards the content of volatile organic solvents and has a low degree of emissivity in the air. The product is classified in class A+ according to the French regulation DEVL1104875A..

APPLICATION PROCEDURE:

Preparation of the support

ON NEW SUPPORTS

-Make sure the wall is dry and well cured (not less than 28 days). The product must be applied on dry, non-friable surfaces free from salts and humidity.

- Isolate with a brush coat of ROYAL GUARD PRIMER ACRYLIC fixative and, after 24 hours, apply two or 3 coats of ROYAL GUARD PLASTER with a spatula

ON SUPPORTS ALREADY PAINTED AND/OR DEGRADED

-Make sure the wall is dry.

-Mechanically remove residues of old paint and/or plaster that are not perfectly anchored to the support.

-Pack any defects with suitable sealing products.

-Rub any imperfections with special mortars and leave the treated parts to cure.

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-In the presence of mold or algae, treat the surface with specific sanitizers with biocidal action.

-Isolate with a brush coat of fixative ROYAL GUARD PRIMER ACRILICO and, after 24 hours, apply two or 3 coats of ROYAL GUARD PLASTER with a spatula.

Application and dilutions

ROYAL GUARD Plaster comes in powder form and must be prepared in worksite.

Mix with a drill at low speed for at least 4-5 minutes, let the mixture rest for 5-6 minutes and then mix before using.

After wetting the supports well, apply a first coat with a stainless steel spatula.

Wait at least 5 – 12 hours (depending on the ambient temperature), moisten and apply a second coat. The life time of the mixture is generally around 60 minutes depending on the ambient temperature.

The chromatic appearance may vary depending on the absorption of the support.

Polishing and shading increase by spatulating the surface several times.

The wavy color is typical of lime smoothers. Try to start and finish the walls to avoid signs of recovery. For large surfaces, provide appropriate interruptions near joints, downpipes or create technical cuts.

New plasters must be left to cure for at least 4-6 weeks.

Restorations must also be left to mature perfectly.

At the end of the work, clean the tools with water.

Environment and support conditions:

Ambient temperature: min. 10°C / max 35°C;

Relative humidity of the environment: < 80%;

Support temperature: min 5°C / max 40°C

Surrender

Theoretical yield approximately 1 sqm/KG for each millimeter of thickness

Colors

CRER color chart

Packaging

25 kg bag.

CHARACTERISTICS OF IDENTIFICATION:

ROYAL GUARD PLASTER it was tested at the GFC Chimica laboratory (ref. test report n° 301/L dated 15.01.2024).

The product meets the requirements of the UNI EN 1504-2 standard for CE marking.

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TEST	RESULT
Specific weight (UNI EN ISO 2811)	1.1 gr/lt
Viscosity (UNI EN ISO 2555)	7000-13000 cPs
VOC content (ISO 11890-2)	0 gr/lt
SVOC content (ISO 11890-2)	0 gr/lt
pH (UNI 8311)	6-8
Stability	TEST PASSED
Degree of water vapor transmission (permeability) UNI EN ISO standard 7783	>5<20 Thickness = 871 μm $\mu = 1030$ Classe I
Degree of transmission of liquid water (permeability) Norm UNI EN 1062-3	w = 0.23 kg/(m ² h ^{0.5})
Permeability to carbon dioxide UNI EN 1062-6	Sd _{CO2} = 471.040 m Spessore = 891 μm μ_{CO2} = 528664
UV radiation aging cycle (UNI EN 1062-11)	TEST PASSED
Fire resistant	A1
Determination of adhesion by direct traction Norm UNI EN 1542	f _h = 1.5 MPa
Thermal conductivity	$\lambda_{10,\text{dry}}$ = 1,28 W/mK (P=90%) (EN 1745:2005)
CE marking	TEST PASSED
Classe emissione	A+
Contributes to LEED ® points	TEST PASSED

CONDITIONS AND TIMES OF STORAGE:

ROYAL GUARD PLASTER must be stored in the original, well-closed containers and is stable for at least 12 months, provided it is kept in rooms with temperatures not lower than +5°C and not higher than +40°C. The product is sensitive to frost.

As regards the evaluation of toxicological data, please refer to the safety data sheet.



CRER ITALIA SRL DATA SHEET

Revisione n. 0
Data Revisione
01/01/2024

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Note of responsibility

The advice and indications in this technical sheet are provided based on our experience, but cannot engage our responsibility. Our technical service is available to provide all further necessary information

official distributor for the areas:

GULF MIDDLE EAST

AFRICA

ASIA WITH RUSSIA



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