



MORCEMREST® ANTICARBONATACIÓN E

DESCRIPTION

Waterproof coating with high elasticity based on an aqueous dispersion of self-crosslinking acrylic resins by UV rays, suitable for protection and decoration of all kind of material façades (concrete, cement, brick, etc.) giving the support an excellent resistance to the most thus obtaining a top quality finish and in which contractions of the facing are foreseen that may cause cracks.

Preserves concrete structures from degradation caused by atmospheric agents as well as façades, precast elements, beams, pillars, etc.

ADVANTAGES AND USES

- Excellent covering power.
- Extraordinary resistance to ageing.
- Completely impervious to rain water.
- It lets air and water vapour go through.
- No yellowing index.
- Maximum cleanability. Self-cleaning by the simple action of rain.
- Good resistance to alkalinity of the substrate.
- Resistant to open sky and U.V. rays.
- Great flexibility against the contractions of the substrate.
- It reduces CO₂ diffusion.
- It protects concrete elements against carbonation according to EN 1504-2:2004.
- Good homogenization of the product and easy application.
- CE Certificate
- Declaration of conformity available.

SUITABLE SUBSTRATES

NEW SURFACES:

- Wait until its hardening process is fully completed (minimum 3 days)
- Remove dust, grease, or any type of dirt.
- Clean the substrate of foreign products or remains of construction materials.
- Any possible efflorescence can be treated with ANTISALMOR
- Apply a layer of FIJAMOR diluted with 2-3 parts of water, to fix and equalize the absorption of the substrate,
- if necessary.
- Apply the paint according to the instructions given.

OLD SURFACES:

- On painted substrates, the solidity and anchorage of the paint should be checked and diagnosed, if possible, its nature in order to avoid possible incompatibilities.
- Treat mouldy substrates with bleach or other suitable disinfectant.
- Remove dust, dirt and poorly adhered paint residues.
- Level any irregularity with an adequate plaster. let it dry and sand it down.
- Apply a layer of FIJAMOR diluted with 2-3 parts of water, to fix and equalize the absorption of the substrate,
- Apply the paint according to the instructions given.

CONCRETE REPAIR

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APPLICATION PROCEDURE

- Stir the product until getting a homogeneous mixture.
- Dilute the first layer between 5 - 10% of water.
- Apply a second layer without dilution.
- Clean any used tool with water before the paint dries.
- The application can be done by brush, roller, airless or airbrush gun, after stirring the product and the corresponding dilution.
- Equipment cleaning should be done with water, before the paint gets dried.

RECOMMENDATIONS

- Do not apply at temperatures below 5°C or above 30°C
- Do not apply it under relative humidities superior to 85% nor on top of wet substrates.
- Thickness of 250 wet microns are recommended.
- Storing: In its tightly closed original packaging, in reserved cool and dry places away from open sly or direct sun light and preventing it from being exposed to temperatures below 5°C or higher than 35°C.

PACKAGING AND STORAGE

20 Kg RAL 7032 containers, 15L containers for the rest of the colors

Storage for up to 2 years in its well-closed original container, in cool, dry places away from the elements or direct sunlight, and avoiding exposure to temperatures below 5°C or above 35°C.

TECHNICAL DATA

DRY FILM ASPECT	VALUE	ACCORDING TO STANDARDS
Colour	RAL 7032	
Finish	Semi-matt	UNE-EN 1062-1
Brightness 85º	11	UNE-EN ISO 2813
Chromatic coordinate L*	95,2	UNE 48073
Chromatic coordinate C*	1,14	UNE 48073
Chromatic coordinate h*	104,3	UNE 48073
Berger Whiteness	83,13	UNE 48073
Opacity	< 95%	UNE- EN 13300
Residual Tac (g/cm²)	Initial= 0. / 4hr. U.V.=0	

PHYSICAL PROPERTIES	VALUE	ACCORDING TO STANDARDS
Density	1,37 kg/l	UNE-EN ISO 2811-1
pH	8,4	Internal
Viscosity	100 dPas (50 rpm; Spindle R6)	UNE-EN ISO 2555
Dispersion fineness	10-20 microns	UNE-EN ISO 1524

REFERRED TO ITS FORMULATION	VALUE	ACCORDING TO STANDARDS
Non-volatile content	60%	UNE-EN ISO 3251
Maximum allowed COV content	40 g/L	2004/42/II A classification
Maximum allowed COV in product	40 g/L	2004/42/II A classification

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ASPECT OF THE APPLIED PRODUCT	VALUE	ACCORDING TO STANDARDS
Theoretical performance	4-6 m ² /L	UNE 48282
Drying time to the touch	30 min	UNE 48301
Total drying time	1 hour	UNE 48301
Thinner	Water	-
First coat dilution	5-10%	-
Second and successive coats dilution	undiluted	-
Re-painting interval	2-3 ho	-

OTHER SPECIFIC PROPERTIES	VALUE	ACCORDING TO STANDARDS
Wet rub resistance	Class 2	UNE-EN ISO 11998
Elongation	180-200%	-
Resistance to traction	1,5 n/mm ²	UNE-EN ISO 4624
Water vapour permeability	Class V ₂ (medium)	UNE-EN ISO 7783
Liquid water permeability	Class W3 (low)	UNE-EN 1062-3
Carbon dioxide permeability (CO ₂)	Class C ₁	UNE-EN 1062-6
Resistance to cracking	Class A ₄ (>1,250 mm)	UNE-EN 1062-7
Artificial ageing	No blisters, no cracking, no damaged skin.	UNE-EN 1062-11 Suitable:4.2
Performance	6-7m ² /Kg	-

LEGAL DISCLAIMER

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

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In any case, the drafter of the work project, the technical management or the person responsible for the work, or collaterally the application company or other parties involved in the process and / or execution of the work, must ensure the suitability of the products addressing the characteristics of them, as well as the conditions, support and possible pathologies of the work in question.

The values obtained by GRUPO PUMAS's products or its constructive solutions that, as the case may be, are determined by the EN standards or any other regulation that applies to it in each case refers exclusively to the conditions specifically stipulated in said regulation and that are referred to, among others, to certain characteristics of the support, humidity and temperature conditions, etc. without being them required in the tests obtained under different conditions, all in accordance with the relevant regulation.