



# 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 CO<sub>2</sub> 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 <sup>2</sup> /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 <sup>2</sup>                      | UNE-EN ISO 4624             |
| Water vapour permeability                      | Class V <sub>2</sub> (medium)              | UNE-EN ISO 7783             |
| Liquid water permeability                      | Class W3 (low)                             | UNE-EN 1062-3               |
| Carbon dioxide permeability (CO <sub>2</sub> ) | Class C <sub>1</sub>                       | UNE-EN 1062-6               |
| Resistance to cracking                         | Class A <sub>4</sub> (>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 <sup>2</sup> /Kg                      | -                           |

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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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