



# MORCEMREST® ANTICARBONATACIÓN



## DESCRIPTION

Matte coating based on acrylic copolymers, indicated for the protection and decoration of façades of any kind of material (concrete, cement, bricks, etc.), providing the substrate with an excellent resistance against any environmental condition. With an excellent finish quality.

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

## ADVANTAGES AND USES

- Good homogenisation of the product and easy to apply.
- Excellent coverage.
- Great resistance against ageing.
- No tacking.
- Easy to clean.
- Self-cleaning by rain water.
- Good resistance to the substrate's alkali.
- Excellent penetration.
- Resistant to open air and ultra violet rays.
- Reduces the diffusion of CO<sub>2</sub>.
- Protects concrete elements against carbonation according to EN 1504-2:2004.
- Environmental resistance.
- Permeable to water vapour.
- Null yellowing index.

## SUITABLE SUBSTRATES

### NEW CONSTRUCTIONS:

- Wait until complete curing (minimum 30 days).
- Clean any possible efflorescence with abrasive blasting.
- On polished surfaces, sand to open the pores.
- Clean the surface from foreign substances or construction material residues.
- Fill in defects on the substrate with suitable exterior filler compound.
- Remove any possible dust, grease and any other contaminants.
- Apply a FIJAMOR layer diluted with 3 parts of water, to fix and equalise the absorption of the substrate.
- Apply the paint according to the instructions given.

### OLD CONSTRUCTIONS: (Restoration or maintenance)

- For painted surfaces, it is essential to check the solidity and adhesion of the paint, determine its nature to avoid potential incompatibilities, and remove dust, dirt, and poorly adhered paint before repainting.
- Treat surfaces with mould using bleach or another suitable disinfectant.
- Level any irregularities with a suitable amount of paste. Let it dry and sand it.
- Apply a FIJADOR-SELLADOR coat diluted with 3 parts of water, to fix and equalise the absorption of the substrate.

# CONCRETE REPAIR

## MORCEMREST® ANTICARBONATACIÓN

### APPLICATION PROCEDURE

- Apply the paint according to the instructions given.
- On typical construction substrates, both outdoors and indoors, especially recommended for:
  - Concrete
  - Cellular concrete
  - Cement mortars
- In all cases, the substrate must be firm, clean, free from remnants of old paint, oils, grease, dust, release agents, etc.
- The substrate can be damp but not wet.
- The substrate temperature should be at least +5°C and at most +30°C, and efforts should be made to maintain uniform temperatures during application and curing.
- Shake until perfect homogenisation.
- Dilute the first coat with 10-15% water to ensure good product penetration.
- Dilute the second coat and subsequent ones using up to 5% of water.
- It can be applied by brush, roll or pistole, previously shaking and diluting the product respectively.
- Tools must be cleaned with abundant water before the paint dries.

### RECOMMENDATIONS

- Always homogenize the product before applying.
- Dilute the product according to the porosity and condition of the substrate to ensure maximum penetration of the first coat into the substrate.
- Total thickness of the coat of around 250 microns when wet is recommended.
- Do not apply under 5°C.
- Do not apply the product with relative humidity above the 85% nor on wet substrates.
- Do not apply under the risk of rains.
- Do not use consumption rates lower or higher than those specified without consulting our Technical Department.
- Do not use on substrates that will be submerged or in permanent contact with water.

### PACKAGING AND STORAGE

20 Kg containers RAL 7032, 15L containers for all other colours.

Storage Up to two years in its original closed packaging. In fresh and dry places, away from open air and direct sun light. Avoid extreme weather conditions (not lower to 5°C nor above 35°C).

### TECHNICAL DATA

| APPEARANCE OF DRY FILM                    | VALUE                           | ACCORDING TO NORM |
|-------------------------------------------|---------------------------------|-------------------|
| Colour                                    | RAL 7032                        | -                 |
| Finish                                    | Mate                            | UNE-EN 1062-1     |
| Shine 85°                                 | 3                               | UNE-EN ISO 2813   |
| Chromatic coordinate L*                   | 71,4                            | UNE 48073         |
| Chromatic coordinate C*                   | 9,17                            | UNE 48073         |
| Chromatic coordinate h*                   | 91,88                           | UNE 48073         |
| Blancura Berger                           | 86-89                           | UNE 48073         |
| Opacity                                   | > 95%                           | UNE- EN 13300     |
| Residual Tac (g/cm2) (g/cm <sup>2</sup> ) | Initial= 0. / After 4hr. U.V.=0 | -                 |

| PHYSICAL PROPERTIES | VALUE                        | ACCORDING TO NORM |
|---------------------|------------------------------|-------------------|
| Density             | 1.45+/-0.05Kg/l              | UNE-EN ISO 2811-1 |
| pH                  | 8,6                          | Interno           |
| Viscosity           | 90 dPas (50 rpm; Spindle R6) | UNE-EN ISO 2555   |
| Dispersion fineness | 20-10 Microns                | UNE-EN ISO 1524   |

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| ITS FORMULATION                       | VALUE  | ACCORDING TO NORM           |
|---------------------------------------|--------|-----------------------------|
| Non-volatile matter content           | 64%    | UNE-EN ISO 3251             |
| Maximum content in VOC allowed        | 40 g/L | 2004/42/II A classification |
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| SOME OTHER SPECIFIC PROPERTIES    | VALUE                                | ACCORDING TO NORM      |
|-----------------------------------|--------------------------------------|------------------------|
| Wet rub resistance                | Type 1                               | UNE-EN ISO 11998       |
| Resistance to traction            | > 2,0 Mpa                            | UNE-EN ISO 4624        |
| Permeability to water vapour      | Class V2 (media)                     | UNE-EN ISO 7783        |
| Permeability to liquid water      | Class W3 (baja)                      | UNE-EN 1062-3          |
| Carbon dioxide (CO2) permeability | Class C1                             | UNE-EN 1062-6          |
| Artificial ageing                 | No blisters, no cracking, no flaking | UNE-EN 1062-11 Apt:4.2 |
| Performance                       | 6-7m <sup>2</sup> /Kg                | -                      |

### LEGAL DISCLAIMER

Instructions given on how to use the product are given based on our tests and knowledge and do not imply any commitment from GRUPO PUMA and do not exempt the user from checking and verifying the products before using them. Claims must be presented with the original packaging to allow an adequate traceability.

GRUPO PUMA is not responsible, under any circumstances, for the application of its products or constructive solutions by the applicator company or other subjects involved in the application and / or execution of the work in question, limiting the responsibility of GRUPO PUMA exclusively to possible damages attributable directly and exclusively to the products supplied, individual or integrated into systems, due to failures in their manufacture.

In any case, the creator of the work project, the technical management or person in charge, or subsidiarity the application company or other possible people involved in the application and / or execution of the work in question, must ensure the suitability of the products. Taking always into account the substrates and any possible pathologies that may occur in the workplace itself.

The values of the GRUPO PUMA products or construction solutions, mentioned in the UNE norm or in any other, exclusively refer to the stipulated conditions. They all refer to specific characteristics on the substrates (humidity, temperature, etc.) without being required for tests obtained under different conditions.