



## MORCEMCRIL®

Acrylic render



### DESCRIPTION

Acrylic render for waterproofing, protection, and decoration of all types of façades and interior surfaces. Decorative render mortar for the Traditem External Thermal Insulation system (ETICS).

### TECHNICAL CHARACTERISTICS

Product based on acrylic resin, mineral pigments, and organic and inorganic additives.

### ADVANTAGES AND USES

- Product approved by EAD-040083-00-0404- DITE No. 07/0054. Anti-mould
- Textures: thick, normal, and thin weather resistant
- Permeable to water vapour, allowing the substrate to breathe.
- Easy and quick to apply.
- Smooth, float, and drop finish.
- Non-flammable.
- Suitable for most substrates.
- Resistant to ageing, city-environments, and UV rays resistant.
- Excellent adhesion on traditional construction substrates.
- Washable.

This product has a protection against fungus, mould and algae which provides a long-lasting preventive and retardant effect although not permanent. The duration of this affectation depends on the exposure to humidity and the concentration of spores in the area, which create especially favourable conditions for the growth of micro-organisms. Therefore, periodic preventive maintenance treatment is recommended.

### SUITABLE SUBSTRATES

- Compatible with cement mortar substrates, concrete, one-coat mortar, gypsum, plasterboard and painted substrates.
- Not compatible with fresh lime plasters, resins or varnishes, distemper paints, lime, or silicate paints. Traditem external thermal insulation system prepared for the execution of the final decorative finish.
- Substrates must be clean, free from dust, greases, old paint, oils, fungus, mould, and any other kind of product.
- On surfaces with loose particles, apply FIJAMOR primer beforehand. Apply a FONDO MORCEMCRIL coat before applying MORCEMCRIL.

# DECORATIVE PLASTERS

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### APPLICATION PROCEDURE

- Shake until getting a perfect mixture.
- The product is already ready to use, and it should be applied with a stainless-steel trowel or gun.
- If applied manually, you can adjust its consistency and workability by adding water, up to a maximum of 250 ml per 25 kg container.
- If applied with a spray gun, you can add water up to a maximum of 1 litre per 25 kg container to adjust the consistency and workability. This adjustment will depend on the pump to be used.
- Stir the product just before applying it.
- In the case of manual application, spread the product evenly using a steel trowel across the entire surface, removing any excess material above the aggregate thickness.
- Once the product has been spread over the substrate and has lost its tackiness, proceed to float the material.
- The surface shall be floated using a plastic trowel or a polyurethane float, floating regularly preferably with the infinite movement technique to obtain an even textured surface.
- Work evenly and uninterruptedly.
- The choice of tool affects the roughness and structure of the surface, so the same type should always be used on a construction site.
- To obtain a uniform structure, it is crucial to make sure that the same person structures adjacent surfaces.
- Due to the natural aggregates and granules in the product, slight colour variations between different batches may occur.
- Adjacent surfaces should use product from the same batch to ensure consistency.
- For mechanical spraying of the product, the nozzle diameter should be chosen based on the product's particle size distribution.
- During spraying, exceptional care must be taken to apply the product evenly, avoiding overlaps, joints, and uneven loading due to application.
- Cleaning of the tools will be conducted with abundant water immediately after being used. Any dried particles should be removed with solvents such as turpentine.

### RECOMMENDATIONS

- Do not apply under 5°C nor above 30°C, under direct sun light, rain, or healing risk.
- Do not apply on floors or inclined surfaces where the exposed face is facing upwards.
- Protect the upper surfaces of the render from the penetration of rainwater.
- To ensure colour uniformity, it is recommended to request the total amount of product needed in a single supply. In any case, do not mix different manufacturing batches in one working area.
- In machine spraying application, maintain consistent pressure, angle of projection, and distance from the substrate to avoid changes in the final appearance of the product.
- In machine spraying application, it is recommended to apply multiple coats until achieving the desired coverage and thickness.
- Pay special attention to environmental temperature changes, humidity, wind, etc. These factors influence the drying process and the workability of the product, potentially causing differences in the final appearance of the application.
- Protect the surrounding area of the surface to be applied and clean any splashes with water before the product dries or hardens.

NOTE: When the product subject to this Technical Data Sheet is used as part of a construction system or solution from GRUPO PUMA, as officially defined as a component of it, the specific instructions and recommendations contained in the corresponding technical documentation must in all cases be followed, specifically, for illustrative purposes, in the Manual related to the system or construction solution in question.

### PACKAGING AND STORAGE

25 Kg containers (White and colour range)

12 litres containers (Tintometer system)

Storage: 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).

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### TECHNICAL DATA

|                                  |               |                                             |
|----------------------------------|---------------|---------------------------------------------|
| Colour                           | -             | White and colour range                      |
| Finish                           | EN 1062-1     | Matte                                       |
| Density                          | EN ISO 2811-1 | 1,90 ± 0,05 Kg/l                            |
| pH                               | -             | 8,4 ± 0,1                                   |
| Viscosity                        | EN ISO 2555   | 350 ± 100 dPas (50 rpm; Spindle R7)         |
| Theoretical performance          | UNE 48282     | 2 to 3 Kg/m <sup>2</sup> for 2 mm thickness |
| Drying time to touch             | UNE 48301     | 30 minutes                                  |
| Total drying time                | UNE 48301     | 2 hours                                     |
| Solvent                          | -             | Water                                       |
| Wet rub resistance               | EN ISO 11998  | Type 2                                      |
| Adhesion to concrete             | EN 1542       | ≥ 1,5 N/mm <sup>2</sup>                     |
| Water absorption                 | EN 1062-3     | Low (W3)                                    |
| Permeability to water vapour(Sd) | EN ISO 7783   | Medium, 0,5-1,5 m                           |
| Thermal conductivity (λ)         | EN 1745       | 0,83-0,93 W/mK                              |
| Reaction to fire                 | -             | A2 s1 d0                                    |

### 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 PUMA'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.