

DESOLID MICROCEMENT

A single-component, acrylic resin emulsion-based floor plaster, reinforced with polyurethane additives. It offers superior adhesion, excellent mechanical strength, high abrasion and load-bearing resistance, and is non-flammable, waterproof, odorless, decorative, and easy to apply. This water-based, ready-to-use finishing plaster is suitable for all interior and exterior surfaces.

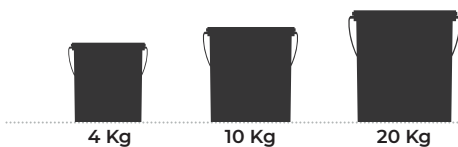
FEATURES AND BENEFITS

- Ready to use; repairs become invisible once cured.
- Waterproof and resistant to alkalis.
- UV-resistant; unaffected by extreme temperatures, rain, snow, or humidity.
- Will not blister or crack; bonds fully with the substrate.
- High elongation capability after curing.
- Excellent adhesion and diffusion properties.
- Highly resistant to chemical cleaning agents.
- Environmentally friendly due to its water-based formulation.
- Suitable for use in dry and wet areas, on both vertical and horizontal surfaces.



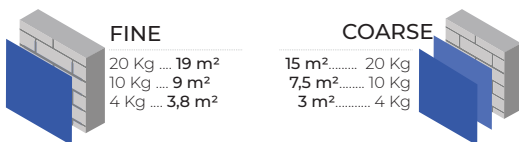
PRODUCT INFORMATION

PACKAGING



Shelf Life: When stored in its original, unopened packaging in a cool and dry place, protected from frost and direct sunlight, the product can be stored for up to 2 years. Reseal the container tightly immediately after use to prevent air ingress.

CONSUMPTION



Depending on the type, absorbency, structure of the substrate, and application method, 1 kg of product can cover approximately 3.0–3.8 m² in a single coat, depending on whether a fine or coarse texture is applied. Consumption values are theoretical; a controlled on-site sample application is recommended to determine the exact consumption. Single-coat application is not recommended in areas that remain permanently wet, such as swimming pools.

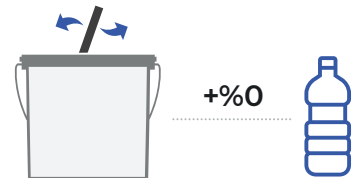
DRYING TIME



Touch Dry: 55 - 130 minutes
Waiting Time Between Coats: 2-4 hours
Final Drying: 24 hours

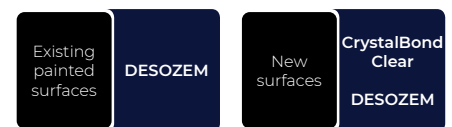
*Drying times may vary depending on ambient temperature and relative humidity during application.

THINNING



Application Notes:
 Dilution with water is not recommended. Depending on the condition of the substrate and the selected colour, application in at least two coats over a suitable primer is recommended.

RECOMMENDED PRIMERS



Recommended Application Thickness:
 The product should be applied in a single layer with a thickness between 1 mm and 5 mm. Applications exceeding 5 mm in a single coat may result in cracking and a reduction in mechanical strength. For thicker applications, multiple coats may be applied provided that each layer is allowed to fully dry before the next coat is applied.

TECHNICAL INFORMATION

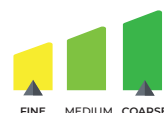
CLEANABILITY



BREATHABILITY



TEXTURE



COVERING POWER



Manufactured in compliance with the following standards.
 EN 13813 - EN 1504-2 - EN 1062-3 - EN 13036-4 - EN ISO 2812
 AS 3740 - AS 4586 - AS/NZS 1580 - AS 4654

**It is not certified in accordance with these standards; however, it has been manufactured by taking these standards as reference.

Technical Properties

- Binder Type: Acrylic emulsion
- Application: Perpendicular coats
- Surface Condition: Dry
- Product Consumption: Fine Texture; 1.172 kg/m² (1 coat)
Coarse Texture; 1.428 kg/m² (1 coat)
- Heavy load cure: 72 hours (lower temperatures and higher humidity extend drying times)
- Water Absorption Rate: 0.050 – 0.090 kg/m² h^{0.5}
- Density: 1.05 ± 0.03 kg/l
- Viscosity: 35,000 ± 5,000 cps
- Water Transmission Rate: < 0.1 (Class W3)
- Water Vapor Permeability: 5 ≤ SD ≤ 50 (Class II)
- Adhesion Strength: ≥ 1.0 N/mm² (non-traffic areas), ≥ 2.0 N/mm² (traffic areas)
- Colors: Produced in white and grey tones. Can be tinted upon request.

Application Instructions

The application surface must be completely clean, dry, and free from grease, dust, dirt, and any residues that could impair adhesion. Repair any damaged areas with DESOLID CRACK FILLER (in layers no thicker than 3 mm) and allow to dry. Prime the surface with DESOZEM PRIMER in one or two coats, depending on the substrate.

Apply DESOLID MICROCEMENT using a 1.5 mm notched stainless steel trowel, then smooth with the flat side for an even layer. Once dry, sand the surface with 320–600 grit pads, remove dust, and apply DESOFACH 4/1 Polyurethane Topcoat for UV protection (spray application recommended).