

MONACRETE microcement Fine Gr-General

Description:



MONACRETE Fine Gr-General has been formulated as a thin, seamless overlay to be installed onto indoor surfaces such as wall and floor. MONACRETE Fine Gr-General is applied in several layers with a trowel, allowing the creation of a wide range of finishes and colors.

It contains extremely hard selected aggregates, special resins of high adhesion and highly waterproof, high elasticity, free from cracking even with structural stresses.

Its high impermeability gives it properties for application in areas with humidity, not darkening by water effect, very good resistance to wear and scratches and excellent adhesion to all types of supports.

Properties:

- High adhesion to substrates.
- High elasticity
- High deformability mineral coating
- High mechanical resistance
- Low thermal diffusion
- Aseptic
- Join less
- Applicable on: concrete, cement, ceramic, gypsum, wood, etc.
- Excellent workability.
- Wide range of colors.
- Finishes: matt, satin and gloss.

Application:

a. Preparation or rendering layer:

Apply one or two layers of **MONACRETE Base** with a steel trowel depending on the type of surface. Before applying a new layer, the previous one needs to be sanded with a random orbital sander or 40-grit sandpaper to remove irregularities. Let it dry for 24 hours before applying the next layer.

b. Finishing or setting coat:

Apply two layers of **MONACRETE Fine** with a flexible steel trowel using one of these techniques:

"Fresh on fresh"

MONACRETE Fine can be applied with the "fresh on fresh" technique by applying a layer as soon as the previous one is tack-free (non-sticky to the touch). No sanding is required for the first **MONACRETE Fine** when using this technique. Should you find burrs or bumps, smooth them out with a spatula and cut the rough edges.

b. Finishing or setting coat::

Work on an extruded polystyrene board to apply the following layer. Lightly sand the surface with a random orbital sander or with the 220-grit sandpaper gloves to remove imperfections once the material has dried (once the color tone changes and intensity becomes lighter).

“Fresh on dry”

A layer is applied once the previous one has dried for about 3 hours. Then sand lightly with a random orbital sander or with the 220-grit sandpaper gloves to remove imperfections.

Do not apply layers thicker than 1 mm of **MONACRETE Base** and **Monacrete-fine**. We recommend a total thickness of the combined layers of 3 mm.

c. Sealing:

MONACRETE Fine should be sealed once they have hardened, after 24-48 hours. Sealing shall be done after the coating reaches humidity lower than 5 %, measured with tools designed for this purpose. Monacrete-fine can be sealed with the primer and with water-based varnish. We highly recommend to follow carefully the application instructions of technical datasheet.

Technical feachures

Type:	Fine
Appearance:	White powder
Maximum size of the aggregates:	Micronized
Compressive strength:	28 days: > 45 N/mm2
Density:	In powder - 1175± 50 kg/m3
Drying time:	72 Hr
Pot life:	360 min at 25 °C
pH range (1 day) :	12 PH

Pay attention:

- Keep on dry place and closed in original container.
- Protect temperature : Between 10 °C to 30 °C (Temperature can change the pot life).
- Use gloves and glasses.
- Avoid contact with skin or eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of contact with skin, wash thoroughly with soap and water.
- Do not eat.
- Out of reach of children.

The product should not be used for purposes other than those specified without first having instructions in writing.

It is always the user's responsibility to take suitable measures in order to comply with the requirements established in local legislation.

Product safety sheets are available for professionals. This technical data sheet will be valid until a new edition appears.

last Updated: **March 2025**