



# Cement'in Mega

light-weight cement-based mortar

## Field of Application

Cement'in MEGA is a lightweight cement based render for application as a water-repellent basecoat for all mineral or organic Cantillana finishes. The use of Cement'in MEGA is recommended on all traditional lightweight substrates such as thermal-insulation blockwork, aereated concrete, damp environments or poorly ventilated areas (showers, cellars and laundries). Cement'in MEGA can be applied on any suitably prepared vertical substrate such as : brick- or blockwork, concrete, .... The mechanical characteristics of the substrate should be at least equivalent to those of Cement'in MEGA.

Cement'in MEGA may not be used on any wall in contact with permanent moisture or on the walls of areas with little or no ventilation (e.g.: cellars, showers, storerooms, etc.). Cement'in MEGA is not suited for use on gypsum plaster or previously painted or waterproofed surfaces.

## Composition

Cement'in Mega is a factory-mixed blend of Portland cement, light aggregates (expanded polystyrene), graded river sand, additives and admixtures.

## Characteristics

Cement'in MEGA is a premixed, cementbased dry mortar, designed to be used as a water-repellent basecoat for all mineral or organic Cantillana finishes.

## Preparation substrate

Substrates should be stable, sound, clean and dust free. The render is always applied to a premoistened substrate. Always allow the water film to drain off. Surfaces with a mixed porosity should receive a previous coating of Cement'in P. Smooth concrete should be pre-treated with Betoprim.

When applying the render and during the hardening process, the ambient temperature, as well as that temperature of the substrate, should not be lower than 5°C or higher than 30°C. The render should not be applied to a wall which is frozen, thawing or likely to freeze in the hours following application. The freshly applied render must be protected from unfavorable weather conditions such as rain, direct sunlight or wind.

## Preparation mixture

Mix Cement'in Mega mechanically with 8 liters of water per 30 kg bag to the desired consistency, using a clean container and a suitable electric mortar mixer, a cement mixer or a mixing pump. For better adhesion Fixprim may be added to the mixing water.

Open time: 1 hour at a temperature of 20°C.

Mortar that has started to harden should not be remixed or reused.

## Application

Cement'in MEGA can be applied manually or sprayed mechanically on the substrate.

Apply 1 or 2 coats of Cement'in MEGA, level out and compress the render with a trowel as much as its consistency allows. The average thickness of the coating should be 15 mm. If necessary, a reinforcement mesh (metal or glass fiber) can be incorporated in the base coat. The application may vary according to the characteristics of the substrate and the specific characteristics of the finishing coat. In dry, hot or windy weather, dampen the surface by steaming in order to prevent drying out. Protect freshly applied surface from heavy rain, drying winds and strong sunlight.

## Consumption

± 13 kg/m<sup>2</sup> per cm thickness.



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## Technical data

Particle size distribution:	0 - 2.5 mm
Dry density	± 1,150 kg/m <sup>3</sup>
Compression resistance:	>- 2.5 MPa
Flexural strength:	>- 1.5 MPa
Watervapour permeability $\mu$ :	10 - 15
Adhesiveness:	>- 0.3 MPa

## Packaging

Cement'in MEGA is packed in 30 kg bags shrink-wrapped Euro pallets. When stored in a dry place and in the unopened, original packaging the shelf life is 6 -months from date of manufacture.

## Remarks

Work carried out should comply with the rules of the art concerning surface finishes using thick mortar based on hydraulic binders. They should also be compliant with the CSTC Technical Information Notes and French standard NF P 15-201

## Classification

Compliant with French standard NF P15.201 (Ref. DTU 26.1).

Compliant with CSTC (Scientific and Technical Construction Centre) provisions.

EN 998.1 compliant