

# Cement'in C

Cement-based base coat render



## Field of Application

Cement'in C is a cement based render for application as a water-repellent basecoat for all mineral or organic Cantillana finishes. The use of Cement'in C is recommended in damp environments or poorly ventilated areas (showers, cellars and laundries). Cement'in C can also be used as a base coat before tiling.

Cement'in C 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 C.

Weak substrates (such as lightweight concrete or old masonry erected on weak mortars) should not be used. In this case the use of Cement'in Mega is recommended.

Cement'in C must not be used on gypsum plaster or previously painted or waterproofed surfaces.

## Composition

Cement'in C is a factory-mixed blend of Portland cement, graded river sand, additives and admixtures.

## Characteristics

Cement'in C is a premixed, cementbased dry mortar, designed to be used as a water-repellent basecoat for all mineral or organic Cantillana finishes. Cement'in C has excellent impact resistance characteristics.

## 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 high or mixed porosity such as existing renders and old brick- or blockwork 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 C mechanically with 3,5 to 4, 5 liters of clean water per 25 kg bag to the desired consistency, using a clean container and a suitable electric mortar mixer, a cement mixer or a mixing pump. Do not add any foreign additives.

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

Mortar that has started to harden cannot be remixed or reused.

## Application

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

Apply 1 or 2 coats of Cement'in C, level out and compress the render with a trowel as much as its consistency allows. Average thickness of the coating: 12 to 15 mm. If necessary, a reinforcement mesh (metal or glass fiber) can be incorporated in the base coat. Allow 1 day drying time per mm thickness before over coating with an organic render or paint.

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

± 17 kg/m<sup>2</sup> per cm thickness

# Cement'in C

Cement-based base coat render

## Technical data

Particle size distribution:	0 - 2.0 mm
Mass by volume (powder):	± 1,700 kg/m <sup>3</sup>
Compressive strength	≥ 6 MPa
Flexural strength:	≥ 1.5 MPa
Adhesion (on bricks):	≥ 0.3 MPa
Watervapour permeability μ:	<35
Water absorption class	W2
Average setting time:	± 90 min.

## Packaging

Cement'in C is packed in 25 kg bags shrink-wrapped Euro pallets. When stored in a dry place and in the unopened, original packaging the shelf life is 9 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

Cement'in C has been granted the 'SECO' quality certificate.

Standard French standard NF P15201 compliant. Ref. DTU 26.1.

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

EN 998.1 compliant

