

## Granol Mineral Base Coat (Internal & External)

### Material

**CEMENT'in C + G** is a dry, factory produced lime-cement mortar which is applied as a base undercoat, sometimes in combination with Cantillana CEMENT'in P, for various internal or external rendering works

**CEMENT'in C + G** bears the quality label of the certification office for the safety of the Construction Industry "SECO".

### Composition

**CEMENT'in C + G** is a blend of selected and sieved river sands, grey Portland cement, hydrated lime, admixtures and additives.

### Range Of Application

**CEMENT'in C + G** is recommended as traditional cement or as a base rendering for all vertical backgrounds (internal and external) which are afterwards being given a finish. The use of this rendering in moist and poorly ventilated rooms (e.g. cellars) is however not recommended. For such cases, we refer you to our CEMENT'in C

**CEMENT'in C + G** can be used on most brickwork and concrete. Treat smooth concrete first with Cantillana Fixenduit adhesion layer.

On highly absorbent backgrounds, first apply a bonding coat or spatter dash CEMENT'in P.

This render must not be applied to backgrounds based on gypsum nor to substrates where adhesion problems could occur (e.g. on paint). The background must at minimum have the same properties as the rendering layer

On moderately weak and porous materials such as lightweight concrete, bricks, pumice blocks, Cantillana CEMENT'in MEGA Plus is recommended.

### Processing

Preferably mix **CEMENT'in C + G** mechanically with clean water until a suitable workability and plasticity is obtained (ca. 4 to 5 litres water per 30 kg bag).

Once mixed, the mortar must be used within 1 hour (at 20°C).

**CEMENT'in C + G** can be applied manually or sprayed with any type or machine suitable for spraying hydraulic renderings.

Before applying, the background must be moistened, but no free water must remain standing on the surface. For traditional interior and exterior cement work, an average thickness of 10 to 12 mm is required.

### Preparatory Work

The substrates must be clean, free of dust and be in a good state of repair. When applying the mortar and during the hardening process, the temperature of the surroundings and the temperature of background must not be lower than + 5°C and not higher than +30°C.

The newly applied mortar must be protected from driving rain, wind and sun.

In dry, hot or windy weather it is necessary to spray the fresh rendering to prevent it drying out too quickly. The application of the mortar on a wet, frozen or thawing base surface is not permitted, and likewise if there is a risk of frost after applying the mortar or during the hardening period.

After stiffening due to the start of the binding, the mortar must not be further re-mixed or diluted.



**Finishes**

**CEMENT'in C + G** can be finished with all decorative coats from the Granol product range, such as Granol KR, and can also be painted or tiled.

**Packaging**

Bags of 30 kg designed for long storage lift, stacked on pallets of 1260 kg with protective coversheet. The shelf life of the product in these bags is 6 months if stored in a dry place.

**Comments**

The work must be carried out in accordance with standard methods for rendering with hydraulic mortar. The work must comply with the Belgian regulations of the WTCB and the French DTU no.26.1

**Technical Properties**

Grading	0-2.5 mm
Bulk density	ca.1700 kg/m <sup>3</sup>
Compressive Strength	≥ 4 N/ mm <sup>2</sup>
Flexural strength	≥ 1.4 N/mm <sup>2</sup>
Adhesion (on brick)	≥ 0.3 N/mm <sup>2</sup>
Vapour permeance μ	10 – 15
Average setting time	ca. 90 min.
Coverage (thickness 10 mm)	ca.16.5 kg/m <sup>2</sup>

Our application recommendations, whether verbal, written or as graphics, are given to the best of our knowledge and the state of the art. Information about values, quantities etc. are based on approximate figures. The recommendations do not constitute a legally binding warranty of quality. In particular no liability claims may be based on these recommendations; the provisions of the product liability law remain unaffected. The recommendations do not release the purchaser from his own duty to test the product or from his own responsibility, and in particular they do not release the purchaser from compliance with the relevant technical guidelines, regulations, DIN and laws. Publication of a revised version of this technical information sheet due to technical progress invalidates all older versions of this document.

