

Granicem Hiver

one-coat covering mortar

Composition

Granicem Hiver is a factory-mixed blend of white Portland cement, graded river sand, additives and admixtures.

Characteristics

Granicem Hiver is a one-coat coloured covering, ready to mix, for waterproofing and decorating facades.

Granicem Hiver is available in 48 colours (see colour chart). Any other colour is available on demand.

Preparation substrate

Substrates must be stable, sound, clean and dust-free, and free of all traces of organic matter.

Granicem Hiver can be applied directly onto the support surface.

Heterogeneous walls must have a prior coating of adhesive covering Cement'in C and smooth concretes should be given a prior treatment with Betoprim.

For renovations, we recommend a prior treatment 7 days in advance with Cement'in C, Cement'in C+G or Cimentin MEG to prepare the support surface.

In hot, windy or dry weather, substrates should be moistened a few hours before applying the coating. Porous or absorbent substrates should be moistened the day before.

When laying mortar, and during the hardening stage, the ambient temperature, as well as that of the support base, should be neither lower than 5°C nor higher than 30°C.

The coating should not be applied to a wall that is frozen, thawing or likely to freeze in the hours following application

Preparation mixture

Mix in a trough, a concrete mixer or spraying machine.

Keep to a constant mixing time throughout the entire job and keep to the water dosage: 5 to 6 litres of water per 30 kg bag of Granicem Hiver.

Use time: \pm 1 hour

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

Application

Application on masonry:

1. Sprayed looking and crushed looking finish

The minimum thickness of the first application should be 10 mm at all points of the covering.

This layer should be allowed to 'draw' to produce the grain, which should be obtained by spraying a second layer 3 to 5 mm thick. The crushed look is obtained by passing a flexible trowel over the crests of the coating when still fresh.

2. Scraped finish

Apply 1 or 2 coats of the covering with a total thickness of 15 mm, then smoothen, even and scrape with a plasterer's knife.

When the coating starts to harden, scrape it uniformly using a pointed trowel or scraper. After finishing, the total thickness should be at least 12 mm.

3. Trowel finish

Spray on the first layer to a minimum thickness of 8 to 10 mm. After a waiting period of \pm 2 hours, spray on a second layer to a thickness of \pm 5 mm, even and smoothen with a plasterer's knife. As soon as the coating has hardened, it is finished off with a trowel.

Applying to concrete or coverings:

The coating is now applied by way of decoration.

The final thickness will be 7 to 8 mm.

Whatever the appearance of the finish, there must be two applications on concrete.

Application must abide by the "general conditions for the application of one-coat waterproofing coverings" CSTB specification 2669-2

Consumption

For a 13 mm finish:

Sprayed \pm 22 kg/m

Scraped \pm 25 kg/m

Trowelled \pm 22 kg/m

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Technical data

Particle size distribution:	0 - 1.5 mm
Density:	± 1,500 kg/m ³
Elasticity module:	± 9,000 MPa
Flexural strength	>- 2.0 MPa
Water retention:	± 93 %
Capillarity:	< 1.5

Packaging

Granicem Hiver is packed in 30 kg bags on 1,260 kg shrink-wrapped Euro pallets
12-month shelf life in the original packing and protected from moisture.

Classification

Standard EN 998-1 compliant

Field of application:

Granicem Hiver can be applied by hand or machine on support surfaces of the same type as those used for traditional hydraulic coatings, mainly

- Breeze-block or brick masonry compliant with standard NP XP 10-202 Ref: DTU 20.1.
- White concrete compliant with standard NF P 18.210 (ref: DTU 23.1).
- Hydraulic coatings compliant with standard NF P 15.201 (ref: DTU 26.1).
- Gobetis (Cement'in P).

Granicem Hiver covering can be used for renovation or on new buildings.

Granicem Hiver coatings can be applied directly to the support surface, using the 'one-coat' technique.