

VICAPLAST Base Coat®

Edition 10016

Ready to use mortar for bonding renders and plasters.

Description

Vicaplast Base Coat is a mixture of Prompt Cement, Hydraulic Lime and graded siliceous sand. The product is pre-blended and ready for mixing on site by just adding water, to produce a non-shrink, flexible, easy to apply scratch coat, over a well-prepared substrate (concrete, bricks or stones), which rapidly hardens to a strong bonding enabling the fast application of **Vicaplast Plaster Base**.

The sole purpose of this sublayer is to hold the coating onto its support. Its interface position requires a strong level of bonding and a rough surface finish, in addition to a high concentration level.

This tack layer is no longer deemed necessary in cases where coatings are mechanically projected.

Advantages of Vicaplast renders

Natural hydraulic lime is preferred for rendering mortars due to its efficiency, as demonstrated over the centuries in fulfilling the functions required to restore older buildings. To ensure its protective role, coatings need to perform two functions:

1. discharge the humidity in the supporting soil while providing protection from runoff water.

The permeance effect enables measuring this humidity transfer in the form of vapor; and

2. protect the existing masonry, provided the coating is able to display an effective bonding. Two factors prove essential to this bonding property: elasticity modulus, since the coating must not be too stiff to withstand without breaking the sizable dimensional variations imposed by the former support (in many cases heterogeneous and soft); and drying shrinkage, which must be as low as possible to avoid adding more constraints that could lead to cracking and delamination.

PROMPT NATURAL CEMENT mixed using the same water/cement ratio exhibits ultimate characteristics near those of lime. Moreover, PNC decreases the time of sustained workability; on the other hand, it adds "liveliness" at an early age, thereby providing the lime with new properties to allow:

- compressing the waiting period between layer applications;
- limiting shrinkage cracking, especially at early age;
- curbing the excessive dehydration of early-age coatings;
- applying excess coating (greater thickness) during a single run;
- strengthening the points that feature natural vulnerability: edges, jambs;
- working during cold weather periods.

Package & Coverage

Vicaplast Base Coat is supplied in 25 Kg bags.

After mixing with water, the 25 Kg bag yields about 13.6 liters of mortar covering about 3 m² on an even surface.

Allowance should be made for any possible wastage or surface unevenness when estimating.

Application Instructions

Surface preparation

All substrates should be clean, free from dust, loose particles, grease, oil or any other foreigner matter.

All surfaces should be saturated with water with no running water (saturated surface dry).

Mixing

- In a suitable container add about 5 liters of potable water and start mixing with a slow speed drill (350 - 450) rpm while adding gradually the content of a 25 Kg bag of **Vicaplast Base Coat** for enough time to produce a homogeneous mix.
- Mechanical mixing is essential for a rapid and homogeneous mix. Forced action pan mixers or free fall mortar mixers are suitable.
- The average lining thickness will be 12 mm with a tolerance of ± 2 mm for the two layers.

Precautions

- Protect the **Vicaplast Base Coat** bags from direct sun rays or any other source of heat before use, this can lead to a very fast setting.
- Avoid working on hot substrates.
- Avoid mixing with hot water.

Health and safety

Vicaplast Base Coat is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs, wash thoroughly with clean water. Should eye contact occur, rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.

Storage & shelf life

Vicaplast Base Coat should be stored in normal temperature and closed shaded dry area in undamaged original packing. It is recommended to be re-tested after 6 months from the production date.

Technical support

For any technical support, please consult our technical office or representatives.

More information

Please refer to the **VICAT TECHNICAL SPECIFICATIONS (Use of Prompt Natural Cement in mixes with Natural Hydraulic Lime)**.

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