

VICATILE-PLUS®

Edition 04023

High performance, One component cementitious tile adhesive mortar, Class C2T

Description

Vicatile-plus is a cement based premixed tiling adhesive mortar class (**C2T**) according to **EN 12004**. The mix design includes graded high purity sands, and a synergistic blend of admixtures. The product is pre-blended and ready for mixing with water on site. **Vicatile-plus** may be applied on all types of porous substrates such as concrete, cement plaster, bricks or stones.

Advantages

- Pre-blended to reduce waiting time and cost.
- Reduced slip for easier application.
- Excellent water resistance & suitable for full water immersion.
- Excellent adhesive bond strength.
- Extended Open time.
- Extended pot life.
- Suitable for internal and external use.

Uses

Vicatile-plus can be used to adhere ceramic tiles over the following substrates:

- Concrete
- Hard natural and reconstituted stone
- Solid rock
- Hollow and solid masonry
- Cementitious plaster and render

Do not use Vicatile-plus:

- On wood and wooden composites
- On gypsum board or lightweight concrete walls without the correct preparation and treatment
- On metal, rubber, PVC, and linoleum surfaces
- For the installation of glass mosaics
- For the installation of tiles that require a nominal adhesive thickness greater than 5 mm.
- Large format tiles more than 60x60 cm.
- On pre-cast concrete or surfaces subject to excessive movements.
- In cases where the surface needs to be set to light traffic quickly.

Standards & Specifications In compliance with: **EN: 12004 "C2T"**

Color	Grey / White (other colors may be available upon request)
Bulk density	1.45 Kg/L
Consistency	Creamy mortar
Toxicity	Non-toxic
Fresh density	1.6 Kg/L
Setting time	initial setting : 4hrs @ 22C Final setting : 6hrs @22C
Open time (EN 1346:2007)	≥20 minutes
Adjustability time	about 20 minutes
Pot life	> 60 minutes
Adhesion (EN 1348:2007)	≥ 1.0 N/mm ²
Set to light foot traffic	24 hours
Ready for use	14 days

Package & Coverage

Vicatile-plus is supplied in 25 Kg bags.

After mixing with water, the 25 Kg bag yields about 15.5 liters of mortar covering (7.0 - 8.0) m² of 2 mm thickness on an even surface. Absorbency of the substrate greatly affects the consumption rate so a site mockup is recommended.

Allowance should be made for any possible wastage when estimating.

Application Instructions

Surface preparation

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

All concrete surface defects (Honey combs, Rock pockets, air voidsetc.) should be repaired following a proper repair procedure, using **Vicarep** or **Vicaseal mortar**, water is to be added to the dry mix while mixing with gloved hands to a mastic consistency. Before applying **Vicatile-plus**, all surfaces should be saturated with water, even the tiles, with no running water (saturated surface dry) just before application.

Mixing

- In a suitable container add about 5.00 – 5.75 liters of potable water, and start mixing with a helical paddle attached to a slow speed drill (350 - 450) rpm while adding gradually the content of a 25 Kg bag of **Vicatile-plus** for enough time to produce a homogeneous workable mix.
- Mechanical mixing is essential for a rapid and homogeneous mix.

Application

- **Vicatile-plus** will be laid by a notched trowel on the prepared substrate with a notch depth about 4 - 6 mm.
- Don't apply too much mortar which can't be covered with tiles within the open time (you can check the open time by touching the adhesive bed with your fingertip).
- Any adjustments to tiles should be made during the open time.
- If it is required, use the straight side of the trowel to apply a thin covering of adhesive to the back of the tile.
- After laying a section at a time, remove any excess adhesive from the surface of the tiles and within the grout joint while the adhesive is still wet.
- Grouting may commence as soon as the adhesive is sufficiently firm usually after 24 hours, whereas for floor tiling allow 48 hours before applying grout.

Precautions

- **Vicatile-plus** is not recommended for tiles larger than 60 x 60 cm which require higher deformability.
- **Vicatile-plus** is not recommended for non-absorbent porcelain tiles.
- Gypsum boards & cement boards must be well primed using a suitable primer before application.
- Protect the **Vicatile-plus** bags from direct sunrays 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.
- Stiffened mortar should never be remixed with water.
- The open time is directly related to the absorbency of the substrate and temperature.
- **Avoid contact with gypsum or any other sulfates on substrate, mixing water or curing water in plastic state.**

Health and safety

Vicatile-plus 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

Vicatile-plus 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 if packed in paper bags and retested after 18 months if packed in plastic bags.

Technical support

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

Disclaimer...The information contained herein is included for illustrative purpose only and, to the best of our knowledge, is accurate and reliable. Hemts cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As Hemts has no control over the use to which may put its products, it is recommended that the products be tested to determine if suitable for a specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine suitability of products for specific application and assume all responsibilities in connection therewith.

Hemts Construction Chemicals Ltd.

Head quarter: 35 ElGazayer St. 11435 Maadi, Cairo, Egypt
Factory: CPC industrial compound, 6th of October, Giza, Egypt
Tel: (+202)27030503 - 27542745 - 25180578 info@hemts.net

www.hemts.net

