

VICABOND-FX®

Edition 06018

High performance Two component, flexible cementitious bonding slurry

Description

Vicabond-FX is a two component flexible bonding slurry based on **VICAT** special binders, Portland cement, siliceous graded fillers, additives (part A) and modified acrylic polymer (part B). After mixing part A with part B a workable slurry that can be applied by brush or trowel is produced. **Vicabond-FX** may be applied on most types of substrates; concrete, bricks or stones...etc, prior to apply a fresh layer of concrete or mortar by the wet on wet method, insuring a greatly improved bond.

Advantages

- Resists alkalis and acids of PH as low as 4.
- Formulated for short and long term efficiency.
- Suitable for food industry and potable water.
- Excellent adhesion to concrete.
- Good Flexibility.
- Easy to apply.
- Water resistant, suitable for submerged conditions.
- Good adhesion to PVC Sheets allowing a good connection between PVC and cementitious substrates & waterproofing Systems.

Uses

Vicabond-FX is to be used whenever a flexible bonding by the wet on wet method between fresh concrete or mortar and old substrate, whichever is concrete, mortar, bricks or stones, is needed.

Standards & Specifications

Color	Grey - beige
Toxicity	Non-toxic
Pot life	30-40mins at 24° C
Fresh density(by Brush)	1.8 Kg/liter
Adhesion to concrete substrate :BS EN1348 (modified)	> 1 N/mm ²
Substrate temperature	+5 °C to +35 °C
Mixing ratio	15kg powder (Part A) : 5kg liquid polymer (Part B)
Impermeability to water, expressed as capillary absorption (kg/m ² ·h ^{0.5}): EN 1062-3	< 0,1 kg/m ² · h ^{0.5}

Package & Coverage

Vicabond-FX is supplied in a group of 15kg bag (Part A) + 5Kg liquid polymer (Part B)

After mixing Part A with Part B, the 20 Kg yields about 11 liters of slurry

The rate of consumption will be about 1.0 – 1.5 Kg/ m² depending on the substrate.

Allowance should be made for any possible wastage and surface irregularities when estimating.

Various colors are available for large orders.

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 **Vicaseal Mortar** or **Vicarep**. Before applying **Vicabond-FX**, all surfaces should be saturated with water with no running water (saturated surface dry).

Mixing:

- In a suitable container add $\frac{3}{4}$ the quantity of the liquid (part B) and Start mixing with a slow speed drill (350 - 450) rpm.
- While mixing, gradually add the powder (part A) and continue mixing to get rid of any lumps.
- Add the rest of the liquid (part B) and continue mixing until the slurry is homogeneous.

Application

- The slurry will be applied to the prepared surfaces using a suitable brush in a single application.
- New concrete or mortar should be applied over the **Vicabond-FX** layer while it is still wet.

Precautions:

- Protect the **Vicabond-FX** bags (part A) from direct sun rays or any other source of heat before use, this can lead to a very fast setting. Protect the liquid (part B) from frost.
- Avoid working on hot substrates.
- Under any circumstances, never re-temper with water.
- Protect the freshly applied material from frost and rain until totally dry.
- **Vicabond-FX** must be protected from direct sun light and excessive wind.
- **Avoid contact with gypsum or any other sulfates on substrate, mixing water or curing water in plastic state.**
- **Clean the used tools immediately with water before the material hardens.**

Health and safety

Vicabond-FX is alkaline 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.

Storage & shelf life

Vicabond-FX 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.
Check our website for the latest version of the Technical Datasheet.

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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

