VICAPROOF-157®

Edition 06020

Two Component, Waterproofing Cementitious Slurry

Description

Vicaproof-157 is a Two component moisture & damp proofing slurry for concrete and masonry based on **Prompt** cement, siliceous graded fillers, additives (part A) and modified acrylic polymer (part B).
After mixing part A with part B it will produce workable slurry that can be applied by brush or trowel.
Vicaproof-157 is an ideal economic solution for the protection of concrete and masonry structures against moisture.

Advantages

- Economic and easy to apply
- Very low capillary absorption with good breathability.
- Resists carbonation providing excellent protection to steel reinforcement.
- Formulated for short and long term efficiency.
- Suitable for food industry and potable water.
- Excellent adhesion.
- Limited flexibility.
- Doesn't need surface smoothing before application.
- Can be used indoor and outdoor.
- UV resistant.

Uses

Vicaproof-157 is ideal to be used for the following operations:

- To protect concrete against concrete decay providing a chemical resistant barrier to corrosive salts and atmospheric gases.
- Acts a protective coating against moisture for foundations and wet areas.
- To reface concrete surfaces.
- To provide a tough and durable coating.
- To provide protection to concrete surfaces from carbonation and chloride attack.

Standards & Specifications

Color	Grey to beige (other colors are available upon request)
Toxicity	Non-toxic
Pot life	30-40mins at 20° C
Fresh density(by Brush)	1.8 Kg/liter
Adhesion to concrete substrate	> 1 N/mm^2
Substrate temperature	+5 ^{o} C to +35 ^{o} C
Mixing ratio	15kg powder (Part A) : 5kg liquid polymer (Part B)
Crack bridging abilities	Slightly flexible & not recommended for crack bridging
Impermeability to water, expressed as capillary absorption (kg/m²·h0.5): EN 1062-3	< 0,1 kg/m² · h^{0,5}
Impermeability to water under pressure (1.0 bar): EN 14891-A.7	No water penetration

Package & Coverage

Vicaproof-157 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 1.5 – 2.0 Kg/ m^2 for two perpendicular applied coats 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 voids ……etc.) should be repaired following a proper repair procedure, using **Vicaseal Mortar** or **Vicarep**. Before applying **Vicaproof-157**, all surfaces should be saturated with water with no running water (saturated surface dry).

Mixing:

- In a suitable container add ¾ 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 SSD surfaces using a suitable brush at the rate of at least two perpendicular coats with a rate of consumption of 1.5 to 1.8 kg/m^2 for the two coats.
- Apply the second coat as soon as the previous one is dry enough to receive it.
- Additional coats are optional and depend on the water head and substrate conditions.
- The final coat can be smoothed using a trowel after painting.

Precautions:

- Protect the **Vicaproof-157** 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.
- After application, **Vicaproof-157** should be allowed to self-cure for at least 2 days before any water contact.
- **Vicaproof-157** 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

Vicaproof-157 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

Vicaproof-157 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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