

VICAFAIR-PUTTY45®

Edition 11022

Water resistant, Single component, polymer modified, cementitious smoothing putty

Description

Vicafair-Putty45 is a single component premixed putty based on Portland cement, fine fillers, rheology modifiers and special polymers, which when mixed with clean water it will produce a workable putty suitable for fairing and smoothing of concrete and masonry surfaces prior to the application of paints and coatings.

Advantages

- Water resistant
- Economic and easy to apply
- Can be used indoor and outdoor.
- Enhanced scrub resistance.
- Non-Shrink.
- Excellent adhesion to concrete.
- Compatible with other types of protective coatings.
- Can be applied up to 3.0 mm thicknesses.

Uses

Vicafair-Putty45 is ideal to be used for the following operations:

- For fair-faced concrete repair.
- As a thin layer render.
- As a skim coat for pin holes and minor honeycombed concrete repair.
- To produce a uniform surface for subsequent paint finish.
- As a skim coat to concrete surfaces prior to the application of paints and coatings.

Standards & Specifications

Color	Light Grey – White (other colors may be available upon request)
Toxicity of Mix	Non-toxic
Pot life of Mix	60-90 mins at 20° C
Final Setting Time	8 - 9 hrs
Dry Density	0.9 - 1.0 Kg/liter
Wet Density	1.8 - 1.9 Kg/liter
Adhesion to concrete substrate	> 0.5 N/mm ²
Compressive strength at 28days BS EN196-1	> 5 Mpa
Substrate temperature	+5 °C to +35 °C
Water / Powder Ratio	0.37 - 0.40

Package & Coverage

Vicafair-Putty45 is supplied in 10 Kg packs & 25 Kg packs. (Other Packing options may be available)

Average consumption rate is 0.5 to 2 kg/m².

A Site sample must be carried out to estimate the nearest consumption rate.

Allowance should be made for any possible wastage and surface irregularities 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 **Vicaseal Mortar** or **Vicarep**. For best results, before applying **Vicafair-Putty45**, all surfaces should be saturated with water with no running water (saturated surface dry).

Mixing:

Add 9.0 – 10.0 liters of water to one **Vicafair-Putty45**, 25 Kg bag.

Either the powder or the water may be introduced first in the mixer, for best results introduce half of the water then all the powder then the remaining water quantity & continue mixing till homogeneity.
Mechanical mixing using a slow speed drill (300 - 600 rpm) is essential for a rapid and homogeneous mix.

Application:

- Spread the putty using a Putty knife/Spatula or a steel trowel over the SSD surface and make sure that the first layer is well pressed to the surface to ensure good bonding.
- Apply the second layer as soon as the previous one is dry enough to receive it (about 2-6hrs depending on temperature and humidity).
- If the first layer is totally dry, Pre-wet it before applying the successive layer.
- It is recommended to apply **Vicafair-Putty45** at a minimum of 2 layers.
- Smooth the surface using sand paper till the desired finish is achieved.

Precautions:

- Protect the **Vicafair-Putty45** 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.
- Protect the freshly applied material from frost and rain until totally dry.
- After application, **Vicafair-Putty45** should be allowed to self-cure for at least 2 days before any water contact.
- Any over coating finish should be done after 24 hours or after the layer is completely set.
- Deep voids should be filled with suitable repair products prior to the application of **Vicafair-Putty45**.
- **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

Vicafair-Putty45 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

Vicafair-Putty45 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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