

# VICAFAIR-WR25®

Edition 08021

Water resistant, polymer modified cementitious fairing coat and cosmetic repair mortar

## Description

**Vicafair-WR25** is a Two component cementitious polymer modified mortar based on Portland cement, fine fillers & rheology modifiers (part A) and modified copolymer (part B).

After mixing part A with part B it will produce workable non-shrink cosmetic fairing Putty that can be applied by spatula or trowel

## Advantages

- Economic and easy to apply.
- Very good water resistance with low capillary absorption.
- Excellent scrub resistance.
- Can be used indoor and outdoor.
- Shrinkage controlled with minimized potential of cracking.
- Excellent adhesion to concrete, no independent primer or curing is required.
- Can be applied from Feather edge to 5.0 mm thicknesses.
- Low dusting when sanding.

## Uses

**Vicafair-WR25** 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.
- As pore sealer and levelling mortar.
- To produce a uniform surface for subsequent paint finish.
- As a skim coat to concrete surfaces prior to the application of protective coatings.

## Standards & Specifications

<b>Color</b>	Grey and white (other colors are available upon request)
<b>Toxicity</b>	Non-toxic
<b>Pot life</b>	30-40 mins at 20° C
<b>Fresh density</b>	1.8 Kg/liter
<b>Adhesion to concrete substrate</b>	> 1 N/mm <sup>2</sup>
<b>Compressive strength at 28days BS EN196-1</b>	> 5 Mpa
<b>Substrate temperature</b>	+5 ° C to +35 ° C
<b>Mixing ratio</b>	25kg powder (Part A) : 10kg liquid polymer (Part B)

## Package & Coverage

**Vicafair-WR25** is supplied in a group of 25kg bag (Part A) + 10Kg liquid polymer (Part B)

After mixing Part A with Part B, the 35 Kg yields about 19.5 liters of mortar

The rate of consumption will be about 0.5 – 1.5 Kg/ m<sup>2</sup> depending on the substrate temperature, deformations & type of application. 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.

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 **Vicafair-WR25**, 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 and to achieve the desired consistency.

#### 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-WR25** at a minimum of 2 layers.
- Smooth the surface using sand paper till the desired finish is achieved.

#### Precautions:

- Protect the **Vicafair-WR25** 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, **Vicafair-WR25** should be allowed to self-cure for at least 2 days before any water contact.
- Any over coating finish should be done after 36 hours or after the layer is completely set.
- Deep voids should be filled with suitable repair products prior to the application of **Vicafair-WR25**.
- **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-WR25** 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-WR25** 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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