

VICAFAIR-21®

Edition 11023

Two component polymer modified cementitious fairing coat and cosmetic repair mortar

Description

Vicafair-21 is a Two component cementitious polymer modified mortar based on Portland cement, fine fillers & rheology modifiers (**part A**) and modified Styrene Butadiene Rubber copolymer (SBR) (**part B**) to promote Adhesion and reduce Dusting.

After mixing part A with part B it will produce workable non-shrink cosmetic fairing slurry that can be applied by brush, roller or trowel

Advantages

- Economic and easy to apply
- Can be used indoor and outdoor.
- Shrinkage controlled with reduced any potential cracking.
- Excellent adhesion to concrete, no independent primer or curing is required.
- Compatible with other types of protective coatings.
- Can be applied from 1.0 mm - 10 mm thicknesses.

Uses

Vicafair-21 is ideal to be used for the following operations:

- For fair-faced concrete repair.
- Non toxic and Can be used as a fairing coat in potable water pipes
- 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

Color	Part A: Grey Powder - Part B: White Liquid
Toxicity of Mix	Non-toxic
Pot life of Mix	30-40 mins at 20° C
Density of Mix (by Brush)	1.8 Kg/liter
Density of Part A	1.1 Kg/liter
Density of Part B	1 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
Mixing ratio	3 powder (Part A) : 1 liquid polymer (Part B)

Package & Coverage

Vicafair-21 is supplied in a group of: 30kg bag (Part A) + 10Kg liquid polymer (Part B) **OR** 15kg bag (Part A) + 5Kg liquid polymer (Part B) (OTHER PACKING OPTIONS ARE AVAILABLE UPON REQUEST)

After mixing Part A with Part B, the 40 Kg pack yields about 22 liters of slurry

The rate of consumption will be about 0.5 – 1.5 Kg/ m² 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 voidsetc.) should be repaired following a proper repair procedure, using **Vicaseal Mortar** or **Vicarep**. For best results, before applying **Vicafair-21**, 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. Part B can be diluted with water (up to half of the liquid weight) to achieve the desired consistency.

Application:

- The slurry will be applied to the prepared SSD surfaces using a suitable brush, roller or steel trowel
- The slurry can be applied to the prepared substrates at thicknesses between 1 - 10 mm.
- The applied slurry should be allowed to stiffen before troweling to a smoother finish. Stiffening time depends on the ambient temperature and wind speed however it will be between 10 - 20 minutes after the application. It is preferable to wet the applied surface with water using a clean brush, then the smoothing process can take its place using a steel trowel.

Precautions:

- Protect the **Vicafair-21** 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.
- Protect the freshly applied material from frost and rain until totally dry.
- After application, **Vicafair-21** 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-21**.
- **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-21 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-21 should be stored in normal temperature and closed shaded dry area in undamaged original packing. It is recommended to be re-tested after 3 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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