

Cemfair 2C

Two component polymer modified cementitious fairing coat and cosmetic repair mortar



DESCRIPTION

Cemfair 2C is a two component cementitious polymer modified mortar. When the two components are mixed together, Cemfair 2C produces a highly consistent, smooth, trowellable and shrinkage compensated mortar with no cracking when applied in a thin layer.

APPLICATIONS

- » 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.

ADVANTAGES

- » Shrinkage controlled polymer modified cementitious repair mortar which reduces 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.
- » Suitable for internal and external applications.
- » Cost effective, hand applied no formwork is required.
- » Excellent bonding.

METHOD OF USE

SUBSTRATE PREPARATION

All surfaces should be clean, sound and uncontaminated prior to the application of Cemfair 2C. The prepared area should be cleaned thoroughly by brush and/or compressed air. The prepared area should be soaked with water immediately prior to the application of Cemfair 2C.

PRIMING

No independent primer is required.

TECHNICAL PROPERTIES @ 25°C:

Colour:	Grey and white
Working life:	20 - 40 min
Setting time:	60 – 70 min
Fresh wet density:	1.65 - 1.75 g/cm ³
Compressive strength: ASTM C109/109M-02	≥ 6 MPa @ 28 days
Flexural strength: ASTM C348	≥ 3 MPa @ 28 days
Tensile strength: ASTM C307	≥ 1.1 MPa @ 28 days
Bond strength: ASTM C1583	> 1.0 MPa
Recommended application temperature:	5 to 35°C
Application thickness:	1 to 10 mm
Maximum aggregate size:	0.35 mm
VOC: ASTM D2369	< 5 g/ltr

The above results are based on a powder : liquid ratio of 1 : 0.33 by weight.

MIXING

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used. (Slow speed drill of 400 - 500 rpm).

Add the entire content of the liquid component to a suitable sized container. Mix for a short period. Add the entire content of the powder component and mix for about 3 minutes till achieving a complete uniform homogeneous smooth paste.





Cemfair 2C

PLACING AND FINISHING

Cemfair 2C can be applied by steel trowel. The mixed mortar can be applied to the prepared substrates at thicknesses between 1 - 10 mm. The applied mortar should be allowed to stiffen before trowelling to a smoother finish. Stiffening time is available and depending on the ambient temperature and wind speed. But 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.

CURING

Curing is not required for Cemfair 2C in normal ambient conditions. In the case of harsh weather conditions, such as high wind and temperatures, it is recommended to cure with Setseal A or wet hessian with polyethelene.

LIMITATIONS

- » For high temperature applications (above 35°C), it is recommended that the components to be stored in a cool place before the application.
- » Cemfair 2C should not be used when the temperature is below 5°C and expected to fall.
- » The applied area should be protected from any rains fall within 12 hours after the application.
- » Any overcoating 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 Cemfair 2C.

CLEANING

All tools should be cleaned immediately after finishing with water. Hardened materials can be cleaned mechanically.

PACKAGING

Cemfair 2C Powder component is available in 15 kg.
Cemfair 2C Liquid component is available in 5 kg.

THICKNESSES AND SIZE LIMITATIONS

Cemfair 2C can be applied by single application from 1 mm to 10 mm thickness.

YIELD

Approximately 12 litre per 20 kg pack.

STORAGE

Cemfair 2C has a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 35°C.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

CAUTIONS

HEALTH AND SAFETY

As a powder containing Portland cement, Cemfair 2C may cause irritation to skin or eyes.

In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advise if necessary.

For further information refer to the Material Safety Data Sheet.

FIRE

Cemfair 2C is nonflammable.

MORE FROM DON CONSTRUCTION PRODUCTS

A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.



Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.