

## Corromortar FC

### Epoxy fairing coat

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### Product Features

**Corromortar FC** is a hand applied, 2 component, solvent free, epoxy mortar designed as a high strength thin section repair material to cracks, pinholes and irregularities in concrete surfaces. It has a smooth, thixotropic consistency allowing it to be applied both horizontally & vertically from feather edge to a maximum thickness of 10 mm, has excellent adhesion to most substrates and reduces consumption of subsequent coatings. It is supplied in pre weighed packs ready for on site mixing and use, giving consistent properties and performance.

### Typical Uses

**Corromortar FC** is typically used prior to the use of other **Corro** range flooring & coating products to repair small areas of chipped or damaged concrete, pin holes and other minor irregularities in areas subject to heavy traffic, impact and chemical exposure such as warehouse floors and industrial applications. **Corromortar FC** can also be used as a general purpose bedding mortar and adhesive.

### Technical Data

Properties	Test Standards	Typical Values
Density		: 1.45 - 1.65 gms/cc
Solids		: 100%
Pot life @ 25°C @ 35°C		: 60 minutes : 30 minutes
Time interval between coats @ 25°C @ 35°C		: 4 - 48 hours : 16 hours
Initial cure @ 25°C @ 36°C		: 24 hours : 16 hours
Full Cure		: 5 - 7 days
Compressive strength @ 7 days	BS 6319 - 2	: 65 N/mm <sup>2</sup>
Chemical resistance		: Resistant to petrol, oils, salts, diluted acids, alkalines, some solvents, etc.

Note: All values given are subject to 5 - 10% tolerance.

### Directions for Use

#### Preparation

Long term durability and function can only be achieved with good preparation to give a strong adhesive & mechanical bond to the substrate.

Mechanically prepare concrete surfaces to remove laitance, curing compounds and other loose materials to provide a mechanical key for the **Corromortar FC**.

After preparation, remove dust & debris to ensure a clean surface.

#### Priming

Priming is not normally required however please ensure the substrate is clean, dry, sound and free from contamination.

#### Mixing

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure to do so can result in lower performance or even possible failure of the product.

Mechanically mix all the resin components together until a homogenous consistency is achieved. Part mixing 1 : 1 by weight or volume is acceptable for this product, however we recommend mixing full packs to ensure consistency.

#### Application

Apply the mixed material onto the prepared surface using a scraper, spatula or putty knife ensuring the void is completely filled. **Corromortar FC** can be applied from feather edge to a maximum thickness of 10 mm.

#### Curing

Allow a minimum of 24 hours to cure and lightly abrade before over coating.

#### Hot Weather Conditions

For application above 40°C we recommend adopting the following guidelines:

Store unmixed materials in a cool preferably air conditioned environment.

Avoid exposure of mixed & unmixed materials to direct sunlight.

Keep equipment that will be in contact with the product cool and away from direct sunlight.

Avoid application during the hottest time of day.

#### Cleaning

Clean tools and equipment immediately after use with **Corroclean**.

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### Limitations

Substrate temperatures should be above 5°C and rising.

For application in temperatures above 40°C please refer to hot weather condition recommendations.

Avoid application if the work area may be subject to the onset of rain or moving water.

All products should be used within the pot life. Materials not used within the specified time should be discarded.

If the above general application details do not meet with your requirements, please contact Corrotech for a project specific method statement.

### Estimating

**Corromortar FC** pack size: 8 kg. Coverage rate approximately 4 - 5 m<sup>2</sup> per pack as a 1 mm thick fairing coat

All coverage rates given are theoretical and subject to actual site conditions. We recommend trial areas are done to establish practical consumption particularly for primers.

### Health & safety

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes.

Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately. Do not induce vomiting.

Avoid inhalation and ensure adequate ventilation or suitable respiratory equipment if working in confined spaces.

Do not expose products to fire or naked flames under any circumstances.

Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations.

### Storage

**Corromortar FC** has a maximum shelf life of 12 months from the date of manufacture.

To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10°C but not exceeding 35°C.

Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.