

Condur® FC

TWO COMPONENT HIGH BUILD EPOXY BUG HOLE FILLER

DESCRIPTION

Condur FC is supplied as a two component, solvent free epoxy system. It consists of base, which is white in colour and hardener which is black colour.

Condur FC is applied directly to concrete substrates and essentially used for filling pinholes and surface irregularities in concrete prior to the application of subsequent coatings. Complies to ASTM C881, Type I and IV Grade 3, class B&C.

USES & ADVANTAGES

Condur FC is designed for application to minor imperfections from feather edge to 3 mm. It can be used in the following situations:

- Concrete & masonry surface imperfections.
- Filling pinholes prior to overcoating.
- Sealing of surface cracks, which is required during crack injection works.
- General reprofiling over large areas, up to 3 mm depth.

Advantages include:-

- Moisture insensitive.
- Good chemical resistance.
- Easy to use.
- High early strength.
- Excellent bonding to the substrate.
- No curing is required.
- Cost effective as no primer is required.

PROPERTIES

Component:	Two Part A : Base / B : Hardener
Colour of mix:	Grey
Solids by weight:	100%
Potlife @ 25°C:	60 mins.
Recoat time:	After 24 hrs.
Compressive Strength: (ASTM D695)	> 65 N/mm ² @7 days
Specific gravity of mix:	1.74 ± 0.2
Mixing ratio of A: B:	2: 1 by weight.
Tensile Strength: (ASTM D638)	5-10 N/mm ² @7 days
Bond Strength: (Concrete failure) (ASTM D4541)	≥ 2 N/mm ² @7 days
Slant Shear Bond Strength:	20 N/mm ² @ 14 days (ASTM C882)

SETTING TIMES

Working life and setting time will vary depending on ambient and substrate temperatures.

SUBSTRATE PREPARATION

All grease, oil, chemical contamination, dust, laitance and loose concrete must be removed by scabbling or light bush hammering to provide a sound substrate.

Concrete must be at least 14 days old prior to treatment. Steel surfaces should be grit blasted to white metal.

Surfaces which show any traces of oil must be degreased with a chemical degreaser prior to grit blasting.

MIXING

In order to produce a fully homogeneous paste, proper care should be taken to ensure that **Condur FC** is thoroughly mixed.

Both the hardener and base components should be stirred thoroughly during mixing in order to disperse the material.

The entire contents of the hardener should be emptied into the base container and the components mixed together using a mixing paddle attached to a slow-speed (400 rpm) heavy duty drill, mix until a consistent uniform grey color paste is obtained.

Under no circumstances should part packs be used or part mixing be attempted.

APPLICATION

A variety of tools such as trowel, scraper, filling knife can be used. Apply the mixed **Condur FC** to the prepared substrate. After mixing, material can be taken directly from the can or subdivided onto spot boards for individual application.

If a very smooth finish is required, a small amount of solvent may be flicked on to the surface of the **Condur FC** with a paint brush prior to final trowelling.

Condur FC can be overcoated with all epoxy coatings after a minimum curing period of 24 hours prior to overcoating, the surface of the fully cured **Condur FC** should first be abraded to assist adhesion and then cleaned to a dust-free finish.

Do not proceed with the application when rainfall is imminent unless in a sheltered or protected situation.

CLEANING

All tools and equipment should be cleaned immediately after use with Cormix Cleaner. Hardened material can only be removed mechanically.

PACKAGING

3 kg pack per set.

COVERAGE

Approx. 1.75 kg/m²/mm with no allowance for wastage.

STORAGE & SHELF LIFE

Condur FC has a shelf life of 12 months when stored in a dry place below 35°C in unopened containers.

Condur® FC**TWO COMPONENT HIGH BUILD EPOXY BUG HOLE FILLER****HEALTH & SAFETY**

Prolonged and repeated skin contact with epoxy resins and curing agents may cause dermatitis in persons sensitive to these products. Gloves, barrier creams, protective clothing and eye protection should be worn when handling these products. If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do NOT induce vomiting-give a glass of water. If in eyes, hold eyes open, flood with water for at least 15 minutes. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2015 verified by TUV Nord.

DISCLAIMER

Performance data is achieved testing in accordance with International Standards. Testing by others may result in different results from those published as a result of external factors such as poor sampling, incorrect mixing, varying temperatures, curing, crushing procedures etc. Cormix does not take responsibility nor need to defend others testing that does not achieve the published data. The user must test the products suitability for the intended application and purpose. Cormix reserves the right to change the properties of the product.

Site conditions and differences in materials are such that no warranty or fitness for a particular purpose, nor liability can be inferred from the published data sheet, written recommendations or from other advise offered.

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