

Condur® FEA

TWO COMPONENT MULTIPURPOSE FLEXIBLE EPOXY ADHESIVE AND SEALANT

DESCRIPTION

Condur FEA 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 FEA is smooth, grit free with non-sag consistency. This is an ideal product for vertical and overhead applications.

USES & ADVANTAGES

Condur FEA is designed for application to minor imperfections from feather edge to 3 mm. or as a joint sealant. 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.
- Joint sealant.
- Void filling.
- Sealing cracks where flexibility needed.

Advantages include:-

- Moisture insensitive.
- Good chemical resistance.
- Easy to use.
- Excellent bonding to the substrate.
- No curing is required.
- Multipurpose adhesive with non-sag properties.
- Contains no grit & very smooth finish.
- Good bonding to various substrate such as concrete, masonry, stone, steel, wood, etc.
- Does not sag or run in vertical/overhead applications.

PROPERTIES

Component : Two Part A -Base
Part B -Hardener

Colour : Part A - white
Part B - black

Colour of mix : Grey

Solids by weight : 100%

Consistency : Non-Sag

Potlife : 30-45 mins.

Shore A Hardness : 40 A

Bond Strength : > 2.5 N/mm² @7 days
(ASTM D4541) (Concrete failure)

Mix ratio A:B : 1.8 : 1 by volume.

Tensile Elongation : 88 %
(ASTM D638)

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 FEA** 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 FEA** 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 FEA** with a paint brush prior to final trowelling.

Condur FEA can be overcoated with all epoxy or polyurethane coatings after a minimum curing period of 24 hours prior to overcoating, the surface of the fully cured

Condur FEA 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. Other pack sizes available on request.

Condur® FEA**TWO COMPONENT MULTIPURPOSE FLEXIBLE EPOXY ADHESIVE AND SEALANT****COVERAGE**

Approx. 1.08 kg/m²/mm with no allowance for wastage.

STORAGE & SHELF LIFE

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

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.

ISO 14001 : 2015 verified by Lloyd's Register International.

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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