



ReCon FCE

High Strength Epoxy Fairing Coat and Blow Hole Filler

DESCRIPTION **ReCon FCE** is a two component, solvent free, high strength, epoxy adhesive designed for repairing and bonding many commonly used building materials. **ReCon FCE** is completely waterproof, has excellent chemical resistance and a thixotropic consistency making it suitable for horizontal, vertical or overhead applications with high initial adhesion and excellent mechanical properties.

USES **ReCon FCE** is highly versatile and can be used for a variety of applications including rectification of minor imperfections, filling of small cracks and chips in concrete, plaster, screed, masonry, bonding of kerb stones, plastics, PVC, rubber and timber. **ReCon FCE** can also be used to bond crack injection packers to concrete.

ADVANTAGES

- Easy to use
- Excellent bonding to the substrate
- No curing is required

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Two: Part A- Base Part B- Hardener
Mixed Form	-	Paste
Colour	-	Off White or Grey
Potlife	-	70 +/-10 mins
Compressive Strength	BS 6319-2	70 N/mm ² at 7 days
Flexural Strength	BS 6319-3	20 N/mm ² at 7 days
Tensile Strength	BS 6319-7	15 N/mm ² at 7 days
Bond Strength	ASTM D4541	> 2 N/mm ² at 7 days
Application Temperature	-	+5°C to +40°C

SURFACE PREPARATION Concrete surfaces should be free from grease, oil, chemical contamination, dust, laitance and loose particles. It is preferred to use mechanical means like sand blasting or mechanical wire brushing. 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. Surfaces should be totally dry.

MIXING In order to produce a fully homogeneous paste, ensure that **ReCon FCE** is thoroughly mixed. The hardener and base components should be stirred thoroughly to disperse any settlement. The entire contents of the hardener should be emptied into the base container. Mix together using a mixing paddle attached to a slow speed (400 rpm) heavy duty drill, until a consistent uniform colour paste is obtained. Under no circumstances should part packs be used or part mixing attempted.



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APPLICATION	Tools such as trowel, scraper, filling knife and squeegee can be used. Apply the mixed ReCon FCE to the prepared surface. Mixed material can be taken either directly from the can or subdivided onto spot boards. ReCon FCE can be over coated with epoxy coatings after a minimum curing period of 24 hours. Prior to over coating, the surface of the fully cured ReCon FCE should first be abraded to assist adhesion and then cleaned to a dust free finish. Thickness more than 5 mm can be built up in layers.	
PACK SIZE	1ltr, 3 ltr and 5ltr set	
COVERAGE	2 m ² /ltr at 0.5 mm thickness	
LIMITATIONS	ReCon FCE should not be applied on wet / damp / moist surfaces. Part mixing of material should be avoided.	
GENERAL INFORMATION	Shelf Life	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
	Cleaning	Clean all equipment and tools with Conmix Cleaner immediately after use. Hardened material can be removed mechanically.
HEALTH and SAFETY	PPE's	Gloves, goggles and suitable mask must be worn.
	Precautions	Contact with skin, eyes etc. must be avoided. If swallowed seek medical attention immediately.
	Hazard	It is not readily flammable but combustible. It is regarded as hazardous for transportation.
	Disposal	Do not reuse containers. To be disposed off as per local rules and regulations.
	Additional Information	Refer MSDS. (Available on request)
TECHNICAL SERVICE	CONMIX Technical Services are available on request for onsite support to assist in the correct use of its products.	

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