



FitBond EA

Epoxy Bonding Agent for Old to New Concrete

DESCRIPTION	FitBond EA is a two component solvent free epoxy resin bonding agent.
STANDARDS	ASTM C881-Type I, II, and V, Grade 1 Class B and C
USES	FitBond EA is used as a bonding agent between old and new concrete, screeds, mortars, steel to concrete, wood to concrete, etc. When used as part of a concrete repair system, FitBond EA will act as a barrier to prevent the migration of chlorides from the parent concrete into the repaired area. It can be used to fix kerbstones on concrete slabs.
ADVANTAGES	<ul style="list-style-type: none"> • Solvent Free, high build, non-toxic • Long pot life suitable where formwork or additional reinforcement has to be installed • Unaffected by moisture, can be applied on dry or damp substrates • Exhibits high mechanical strength • Easy to apply • Exceeds the tensile strength of the parent concrete

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Two: Part A- Base Part B- Hardener
Form	-	Liquid
Colour	-	Grey when mixed
Viscosity	ASTM C881	8-10 poise
Pot Life	-	2-3 hours
Track Free Time	-	6-8 hours
Max. Overlay Time	-	5-6 hours
Compressive Strength	BS 6319-2	70 N/mm ²
Flexural Strength	BS 6319-3	30 N/mm ²
Pull Out Strength	ASTM D 4541	> 2.5 N/mm ² (Concrete Failure)
Bond Strength	ASTM C 882	> 10 N/mm ²
Toxicity	-	Non-Toxic

SURFACE PREPARATION	Surfaces to receive FitBond EA should be clean and free from loose particles, dust, oil, curing membranes, paint, grease, corrosion deposits etc. Roughen the surface and expose aggregates by light scabbling or gritblasting. Oil and grease deposits should be removed by steam cleaning, detergent scrubbing or a proprietary degreaser.
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MIXING	Stir the base and hardener components of FitBond EA separately before mixing together. Transfer the contents of the hardener into the base tin container and mix thoroughly using a slow speed drill fitted with a paddle for about 2 minutes until a uniform consistency is obtained. The sides of the mixing container should then be scrapped and mixing should continue for a further 1 minute.
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APPLICATION

Apply **FitBond EA** as soon as the mixing process is complete. Apply by brush, roller or spray. Apply to the prepared surfaces ensuring uniform thickness. Ensure that it is well brushed into the damp surface. New concrete or screed should be placed while the bonding agent is tacky. Ensure the applied **FitBond EA** is protected from contamination during this time.

For difficult access areas like congested reinforcement, sprayable version of **FitBond EA** can be used. Consult Conmix for details.

PACK SIZE

6 ltr set

COVERAGE

4-5 m²/ltr/coat at 200 microns wft.

Coverage depends on substrate porosity and texture.

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 equipments 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. should be avoided. If swallowed seek medical attention immediately.

Hazard

Regarded as non-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.

Manufacturer:

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