



Conbextra EP10D

Pre-packed low viscosity epoxy crack injection system

Uses

Conbextra EP10D is designed for injecting cracks in concrete and masonry where the substrate to be injected is in high humidity or damp conditions.

Conbextra EP10D is a low viscosity system and is suitable for crack injection down to 0.2 mm at the surface and internal cracks tapering down to 0.01 mm.

The injection system is ideal for small scale repairs on site and is also suitable for insitu or precast concrete elements.

Advantages

- Low viscosity allows cost effective and efficient injection repair
- High strength, excellent bond to concrete, brickwork and masonry
- Damp tolerant, suitable for both damp and dry conditions
- Pre-packed, ready and easy to use

Description

Conbextra EP10D is a two-part low viscosity epoxy crack injection resin specially formulated for use in damp conditions. The cured epoxy resin will form hard, high strength and excellent bond to concrete which will prolong the life of the concrete to be repaired.

Technical Support

Fosroc offers a comprehensive range of high performance, high quality flooring, jointing and repair products for both new and existing floor surface. In addition, the company offers a technical support package to specifiers, end users and contractors, as well as on-site technical assistance in locations all over the world.

Properties

Conbextra EP10D resin

Specific gravity	1.10 ± 0.02
Viscosity (Mixture)	700 ± 100 cPs
Pot life (20°C)	60 minutes

Formed from the merger of Expandite and Fosroc

Cured Properties at 20°C

Compressive strength (N/mm ²)	> 55
Modulus of elasticity (N/mm ²)	> 2000
Tensile strength (N/mm ²)	> 30
Flexural strength (N/mm ²)	> 45
Tensile shear bond strength (N/mm ²)	> 20
Shore D Hardness	> 80

Application Instructions

Surface preparation

All contact surface should be free from oil, grease and free from flowing water or any loosely adherent material. All dust must be removed and bolt holes or fixing pockets blown clean of any dirt or debris.

Damp concrete will be suitable, but all cracks to be epoxy injected should be free from flowing water.

Surface sealant

Only mix enough epoxy sealant, such as **Expocrete UA** that can be applied within usable pot life. Pour a small quantity of the resin into the mixing bucket provided and mix with the hardener. Mix until a smooth thick cream consistency is obtained. Apply to the surface of the cracks.

Mixing

For better result, the individual component of **Conbextra EP10D** should be thoroughly stirred before the two are mixed together. The entire contents of the hardener container should be poured into the base container for at least 2 minutes. The use of a heavy duty slow speed, flame proof or air driven drill fitted with a mixing paddle is desirable. A part mixing is not recommended without consulting with Fosroc. Ask Fosroc Technical Department for assistance.

Injection

Use a suitable injection equipment. Follow injection procedure to obtain good result. The mixed epoxy should be immediately injected into the cracks (within 15 minutes from the mixing).

Conbextra EP10D

Cleaning

All tools application equipment should be immediately cleaned using Fosroc Solvent 102. The hardened epoxy can only be removed mechanically.

Packaging

Conbextra EP1 OD	10 kg set
Expocrete UA	5 kg set
Fosroc Solvent 102	20 litre pail

Storage

Shelf life

Conbextra EP10D has a shelf life of 12 months if kept in a dry store between 10°C and 35°C in the original, unopened packs.

Storage conditions

The product should be stored in dry and unopened room conditions.

Precautions

Health and safety

Conbextra EP10D, Expocrete UA and Fosroc Solvent 102 should not come into contact with the skin and eyes, or be swallowed. Avoid inhalation of vapours and ensure adequate ventilation.

Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams will provide skin protection. Should accidental skin contact occur, remove immediately with a resin removing cream followed by soap and water. - Do not use solvent. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

Fire

Conbextra EP10D, Expocrete UA is not flammable.

Fosroc Solvent 102 is flammable. Do not use near naked flames. No smoking during use. In the event of fire extinguish with dry powder or CO₂. Do not use water jet.



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Important note

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