

Water insensitive epoxy material

Uses

For use in grouting gaps ranging from 0.25mm to 10mm as an epoxy injection material.

As an underwater epoxy fillerised grout in conjunction with quartz filler.

As an underwater epoxy repair mortar in conjunction with quartz filler.

Advantages

- Water insensitive. Can be applied under water
- Low creep characteristics
- High compressive, tensile and flexural strengths
- Fast, convenient pumping with early strength gain
- Withstands a wide range of chemicals

Description

Conbextra EUW is a two part , low viscous epoxy resin system

consisting of a water insensitive base and hardener.

Technical support

Fosroc offers technical support service to specifiers, endusers and contractors, as well as on-site technical assistance in locations all over the country.

Properties

The following results are typical for the mixed grout

Properties

The following results were obtained at 20°C:

Test Typical result

Mixed density	1.135 - 1.145 g/cc	
Pot life @ 30°C	20 min.	
Compressive strength (N/mm ²) (ASTM D695)	1D	7D
	30	80
Tensile strength (N/mm ²) 7 days (ASTM C638)	21	
Flexural strength (N/mm ²) @ 7 days (BS6319 Part 3)	42	
Bond strength @ 7 days (ASTM C882)	28	

Chemical resistance

Conbextra EUW is resistant to oil, grease, fats, most chemicals, mild acids and alkalis, fresh and sea water.

Exotherm

All epoxy systems will develop a temperature rise on mixing. Its extent will be a function of the volume to surface ratio, the ambient temperature as well as the mass and thermal conductivity of the surrounding materials. Contact Fosroc for specific data on each product.

Application instructions

Prepare the surface and seal the cracks with a sealing compound which can also be used for bonding injection nipples. Depending on the crack width and depth the distance between nipples should be 200 to 500 mm.

Mixing and placing

Pour all the contents of the hardener pack into the base container. Mix using a slow speed power mixer for 60 seconds. Use a suitable grout pump for injecting the material into cracks. After 24 hours remove the nipples and seal the holes or voids with suitable sealing the compound and allow to cure.

For filling cracks of more than 10mm :

Conbextra EUW has to be mixed with clean graded quartz sand upto 1:3.5 parts by weight depending on the consistency required. Mixing can be done with a paddle fitted to a drilling machine.

For using as an under water epoxy mortar :

Conbextra EUW has to be thoroughly mixed with clean graded quartz upto 1:7 parts by weight using a heavy duty mixer.

Cleaning

All tools and equipment should be cleaned immediately after use with Nitoflor Sol. Spillages should be absorbed with sand or sawdust and disposed in accordance with local HSE regulations.

Estimating

Packaging

Conbextra EUW : 1.5 litre packs

Conbextra EUW

Storage

All Conbextra EUW products has a shelf life of 12 months in unopened container under normal warehouse conditions

Precautions

Health and Safety instructions

Conbextra EUW contains resins which may cause sensitisation by skin contact. Contact with skin and eyes and inhalation of vapour shall be avoided. Suitable protective clothing, gloves and eye/face protection shall be worn. Barrier creams provide additional skin protection. Should accidental skin contact occur, it shall be removed immediately with a resin removing cream, followed by washing with soap and water. Solvent should not be used. In case of contact with eyes, it shall be rinsed immediately with plenty of clean water and immediate medical attention shall be sought.

Fire

Nitoflor Sol is flammable. In the event of fire extinguish with CO² or foam. DO NOT use waterjet.

Flash point : 33°C

Should be kept away from sources of ignition . Smoking is prohibited during handling / application of the product. Suitable protective clothing, gloves and eye/face protection should be worn. Use in well ventilated areas is suggested.

Additional information

The Fosroc range of associated products include high strength cementitious, epoxy grout, polyester resin based mortar for rapid presetting of steel shims to level or for direct bedding of small base plates; Resin Anchoring systems for same day anchoring of bolts in drilled holes in concrete or rock. Also available a range of products for use in construction; viz., admixtures, curing compounds, release agents, flooring systems and repair mortars.

Separate datasheets are available on these products.

Important note :

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.



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