



Conbextra® PU10

Polyurethane based free flow injection grout

Uses

Conbextra PU10 grout is a free flow injection grout for structural strengthening of concrete structures and masonry. Typical applications include cracks in roof, foundations and other critical structural members.

Advantages

- Low creep characteristics under sustained loading.
- Non-shrink and hence ensures complete surface contact and bond.
- High compressive, tensile and flexural strengths
- Fast, convenient installation with early strength gain
- Withstands a wide range of chemicals

Description

Conbextra PU10 grout is designed for free flow grouting of gaps ranging from 0.25mm to 9mm. The grout system consisting of a base and hardener when mixed has flowable consistency.

Technical support

Fosroc offers a comprehensive range of high performance, high quality concrete repair and construction products. In addition, Fosroc offers technical support service to specifiers, end- users and contractors, as well as on-site technical assistance in locations all over the country.

Properties

The following results are typical for the hardened grout at 30°C.

Test method	Typical result Conbextra PU10
Density (kg/m ³)	1060
Compressive strength (N/mm²) (ASTM D693)	
1 day	25
3 days	45
7days	60
Flexural strength (N/mm²) @ 7 days (ASTM D638)	55
Pot life @ 20°C	60 min.

Ambient temperature affects the time for which large quantity of mixed bulk material will remain fluid.

Application instructions

Preparation

Foundation surface

All contact surface must be free from oil, grease, free standing water or any loosely adherent material. Concrete surfaces should be cut back to a sound base.

All dust must be removed and bolt holes or fixing pockets blown clean of any dirt or debris.

Mixing

All the contents of the hardener packs shall be poured into the the base container. Mixing shall be done using a slow speed power mixer until homogenous.

Placing

The mixed grout should be injected steadily till rejection. Continuous grout flow is essential. Sufficient grout must be available prior to starting.

Flow characteristics

The maximum distance of flow is governed by the gap thickness, the head of grout applied and ambient temperature.

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 regulations.

Limitations

Temperature During application

Grouting may be carried out without special precautions at ambient temperatures from 5° to 30°C.

At temperatures below 20°C, the cure rate may be slow, but will go to completion provided in temperature remains above 5°C.

Temperature in service

The cured grout, which is completely resistant to frost and sub-zero temperatures, is suitable for use upto 45° C.

Conbextra® PU10

Estimating

Packaging

Conbextra PU10 grout is supplied in 1.5 litre packs.

Storage

Shelf life

12 months in unopened container under normal warehouse condition.

Precautions

Health and Safety instructions

Conbextra PU10 grout : Contains resins which may cause sensitisation by skin contact. Avoid contact

with skin and eyes and inhalation of vapour. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams provide additional 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 clean water and seek medical attention immediately - do not induce vomiting.

Fire

Nitoflor Sol is flammable. In the event of fire extinguish with Carbon dioxide or foam.

Flash point : 33°C

Keep away from sources of ignition - no smoking. Wear suitable protective clothing, gloves and eye/face protection. Use only in well ventilated area.

Additional information

The Fosroc range of associated products includes 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.

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Important note :

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