

PC Fix NS



Polyester resin anchor grout

Product Overview

The two versions of PC Fix NS are all pre measured, two parts, filled polyester resin grouts. After hardening the grout produces anchorages of consistent reproducible values.

Areas of applications

1. Grouting or anchoring steel bars and bolts into concrete, masonry and brickwork.
2. Permanent installation of reinforcement starter bars.
3. Foundation bolts
4. Base Plates
5. Balustrading
6. Barriers and safety fences
7. Railway tracks
8. Tieback Anchors
9. Reinforcement dowelling abutments
10. Ground anchors for towers cranes
11. Dock sills.

Properties

1. PC Fix NS imparts high strength gain
2. It is corrosion resistant
3. The applied surface or product can be placed under water
4. It is resistant to high temperature.
5. It is extremely resistant to Vibrations and is non expansive
6. It sets fast and even cures fast
7. It is extremely durable

Guidelines for Usage

1. Surface Preparation: Preparation holes should be formed using rotary percussive drilling techniques. Diamond drilled holes should be scabbled or under reamed. Precast holes should have roughened sides. All dust and drilling debris should be removed. Bars and bolts should be degreased and all rust removed.

2. Mixing: A complete pack of resin and catalysed filler should be mixed in one operation. Mixing may be carried out mechanically. When a smooth, even consistency is achieved the grout is ready for use and should be placed well within the gel time of the grout. Packs have been designed to produce practical and economic volumes of grout. Do not attempt to mix partial pack components.

3. Application: The grout should be injected to the rear of the hole to avoid air entrapment. The thixotropic nature of PC Fix NS will prevent significant flow of resin out of the hole.

Dosage and Measures

1. The mix ratio of Part A (Resin) and Part B (Hardener) of PC Bond LV is **2.3:1**

Packages available

PC Fix NS is available in 500 ml pouches and 2.5 lts. buckets.

Storage and Shelf life

PC Fix NS should be stored away from high temperature. It has 12 months shelf life when stored below 25°C in original unopened containers.

Safety Measures

1. PC Fix NS is flammable. Confined areas must be well ventilated and no naked flames allowed.
2. Contact with the skin should be avoided as certain sensitive skins may be affected by contact with the polyester resin. In cases if contact with the resin occurs, the skin should be washed immediately with soap and water – not

solvent.

3. Gloves and barrier creams should be used when handling these products.
4. Eye contamination must be immediately washed with plenty of water and medical treatment sought.
5. All equipment should be cleaned, within pot life of the grout with Toluene or xylene.
6. At operating temperatures above 40°C, the creep of PC FIX NS polyester resin grout resin under load may become significant.

Technical data

Typical properties of mixed material

Pot life @ 30°C	30 mins
Temperature range in application	0°C to 40°C
Temperature range in service 3 hrs strength 1 day strength Ultimate strength	-20°C to 60°C > 30 N/mm ² > 50 N/mm ² > 70 N/mm ²
Mixed Density	2.9 g/cc

Properties

Gel time Temp (°C)	Gel time (min)	Min time required before loading (hours)
20	80	7
30	40	3
40	15	1
Chemical resistance	The cured PC Fix NS is resistant to fresh and salt water, oils, petrol, grease and most acids, alkalis and solvents.	

Typical axial pullout strengths in 48N/mm² concrete using mild steel studding in holes drilled by rotary percussive equipment

Hole Diameter (mm)	Embedment Length (mm)	Failure load (tones)
12	75	3.2
14	100	5.3
16	125	7.1

For further clarifications Please contact on below address

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