

Febox NF

Epoxy Adhesive & Bedding Compound

Fast curing Epoxy Adhesive blended with fine aggregate for bedding, gap filling and repairs to concrete, brick, stone and steel.

- Non-slump, non-shrink
- High strength, impact resistant
- Resistant to chemicals & solvents

Colour	Product Code	Pack Size	Box Qty
Pale Grey	FBBOXNF3	3KG	1
	FBBOXNF10	10KG	1



Concrete Repair & Speciality Mortars

Febox NF

Product Description

FEBOX NF is an epoxy resin bedding compound, which has been designed for use where a non slumping type of epoxy bedding compound is required. It is a two pack, fine aggregate filled, fast curing material, ideal for a variety of bedding, gap filling and concrete repair applications. FEBOX NF is a stiff but easily workable compound that can be applied by either trowel, spatula or knife. It cures to give high mechanical properties typical of epoxy compounds. It is resistant to oils, greases, petroleum, salts, many acids and alkalis and most commonly met corrosive media. It does not shrink on curing, and is designed to be used when cured from 5°C to 60°C. Its impact resistance, and mechanical strength is significantly greater than that of concrete.

Typical Uses

- For surface repairs of fine cracks and spalls.
- For gap filling, grouting, bedding fixtures etc.
- For repairs to arrises and edge pieces without the use of formwork.
- Wherever a thixotropic epoxy mortar is required.
- Repairing vertical honeycomb concrete in abutments or overhead repairs on soffits.
- Fixing slip bricks to concrete.
- Securing bolts into walls.
- As a gap filling adhesive.
- Filling bolt pockets.
- Bedding tiles.
- Repairing concrete posts in situ.

Features & Benefits

- High strength.
- Non-slump.
- Strong adhesion.
- Chemical resistant.
- Impact resistant.
- Non shrink.
- Epoxy based.

- Trowels to a smooth finish.
- Easy to use.
- Supplied in pre-weighed units.
- No bonding or primer required.

Instructions for Use

Preparation of Substrate

All loose particles, laitance, dust and grease etc. must be removed prior to application of FEBOX NF.

Mixing

The 3Kg pack has been designed to be readily mixable by trowel. Where more than one pack or a larger pack is to be mixed, this would require machine mixing. A mixall portable mixer (HD5 model) is suitable for this.

Application

Knife or trowel FEBOX NF to the required level using the minimum of solvent on the trowel to aid workability. The finished surface may be finished smooth by use of a paint brush dipped in Xylene. Where a very deep recess is to be filled, it may be necessary to build up in layers.

Coverage

3kg is sufficient to cover 1.1m² at 1.5mm thickness.

Storage

Store in unopened containers in cool, dry conditions at ambient temperatures between 5 - 35°C (ideally 15-20°C).

Shelf Life

2 years if stored in accordance with manufacturer's instructions.

Performance Data

Composition	Two-component epoxy based mortar filled with selected fine aggregates
Specific gravity @ 20°C	1.80
Flashpoint	200°C
Compressive strength @ 7 days	50N/mm ²
Tensile strength @ 7 days	6.5N/mm ²
Flexural strength @ 7 days	50N/mm ²
Full cure 25°C	3 to 5 days
Bond strength	Greater than that of concrete
Pot life @ 25°C / @ 40°C	1 hour / 30 mins
Cure rates @ 25°C / @ 40°C	5 hours / 2 hours
Full cure @ 25°C / @ 40°C	5 days / 3 days
Application Temperature	+5 to +40°C
Chemical resistance	FEBOX NF has resistance to the following: most aqueous systems, raw sewage, urine, fresh water, sea water, diluted and concentrated alkalis, diluted acids, mineral, vegetable and animal fats and ammonia.