



Supercrete

Bolt Grouting & Patching Mortar

Rapid Setting 2 Component Polymer Resin System.

- For crack filling, bedding manhole covers, lintels, kerbs and drainage channels
- For anchoring bolts to all solid substrates
- Non shrink, impact resistant
- Yields up to 0.5 litres per kilo

Colour	Product Code	Pack Size	Box Qty
Green/Grey	FBSUPER3	3KG	1



Concrete Repair & Speciality Mortars

Supercrete

Product Description

FEB SUPERCRETE is a two-component polyester resin compound consisting of a liquid resin and a powder hardener which can be mixed in varying ratios to achieve varied consistency to accommodate a wide variety of applications.

Typical Uses

The areas of use for this product are many and varied. A number of the more popular applications are given below:

- Bedding and location of coping kerbstones etc and small patch repairs to concrete beams, posts, lintels, precast units.
- Re-profiling of arises and bedding of concrete units, steelwork, road furniture etc.
- Grouting of dowel pins, bolts, etc and bedding and fixing of slip bricks, cladding etc.
- Rapid fixing of post railings, balustrades, etc.

Features & Benefits

- Extremely versatile in many applications and simple to batch and mix - Variable mix consistency can be obtained
- Excellent adhesion to most construction materials and will cure in damp conditions and at low temperatures.
- High, early and ultimate strengths along with Good chemical resistance

Instructions for Use

Preparation of Substrate

Ensure that all surfaces to which FEB SUPERCRETE is to bond are free from oil, grease, paint, curing compounds etc. Remove any dust, laitance or loose friable materials. It is preferable that any smooth surfaces are roughened prior to application.

Mixing

It is possible to mix FEB SUPERCRETE to application consistencies ranging from a free flowing pourable grout to a heavy mortar.

Mixes will normally range from a resin rich 2:1 powder to resin giving a product of a flowable

consistency. Up to 4:1 powder to resin will produce a trowellable mortar. The required quantity of resin component should be poured into a clean plastic bucket and the powder added slowly stirring until the desired consistency is achieved and the mixture is smooth, lump free and uniform in colour.

Do not mix more material than can be used within 20 minutes. Use of a mixing paddle and slow speed drill will greatly aid the mixing process.

Application

FEB SUPERCRETE should not be applied in layers greater than 20mm. Where thickness is in excess of 20mm consult your FEB Technical Services Department. Application of FEB SUPERCRETE in a mortar consistency is normally carried out using a steel float or trowel. A smear of Cleaning Solvent applied to the face of the trowel will aid application ensuring that FEB SUPERCRETE is trowelled well into the prepared surface ensuring good contact and adhesion.

Minimum application thickness will depend on location and substrate. However, a general guide is

up to 20 mm on horizontal surfaces and up to 12 mm on vertical surfaces and 4 - 6 mm on overhead and soffit work.

When FEB SUPERCRETE is used in a flowable/pourable consistency it is important that the product is allowed to settle and level in the hole or pocket. The product should be placed as soon as possible after mixing.

Coverage

1 kilo of FEB SUPERCRETE mixed at a ratio of 2 part powder: 1 part resin will yield approximately 0.37 litres.

1 kilo of FEB SUPERCRETE mixed at a ratio of 4 parts powder: 1 part resin will yield approximately 0.5 litres.

Storage

Store in dry conditions at moderate temperatures away from direct sunlight.

Shelf Life

1 year from date of manufacture when stored in unopened containers in accordance to manufacturers recommendations.

Performance Data

Density | 1920 Kg/m³

Strength as tabulated below (results are based on normal 3.2 to 1 mix by volume): At lower temperatures, strength gain is correspondingly slower.

Strength property/ N/mm ²	Temp °C	1hr	3hrs	24hrs	Ultimate
Compressive (BS6319 part 2)	35	35	-	99	99
	20	-	33	78	99
Tensile (BS6319 part 3)	35	4.3	-	14	14
	20	-	7.3	11	14
Flexural (BS6319 part 7)	35	11	-	37	37
	20	-	16	31	37

Setting Times

15°C	2 hours
20°C	1 hour
25°C	30 minutes
35°C	17 minutes



Serious Construction Chemicals