

# Dr. Fixit Unirepair Confil



## TIE HOLE AND BLOW HOLE FILLER

### Description

**Dr. Fixit Unirepair Confil** is a premixed, non-corrosive, non-oxidising, fibre reinforced, cementitious, non-shrink mortar.

### Typical Applications

- Filler for tie holes, blow holes and honeycombed concrete.

### Features

- Non-shrinking under restraint, with long-term stability and durability.
- High early strength.

### Packaging

25 kg bags

### Method of Application

#### 1 SURFACE PREPARATION

- All surfaces must be clean and sound and free from dust and contamination. Remove all surface laitance by suitable mechanical means.
- All surfaces should be thoroughly wetted 6 - 24 hours before starting and be in a moist condition during placing. Any free surface water must be removed before application.

#### 2 MIXING

- Mechanical mixing is recommended, however manual mixing is permissible provided it is thorough.
- Mix until required consistency is achieved, leave for 3 - 4 mins, then re-mix. Use within 45 mins. at 25°C.

#### 3 CURING

- Good curing is essential on all exposed surfaces particularly in dry, sunny conditions. Failure to do so will reduce bond, strength and durability.
- Immediately after finishing, spray all exposed surfaces with water. Alternative methods are polythene sheeting or wet hessian, but in all cases these must be maintained for at least 7 days.
- Keep the grout temperature above 8°C at all times during application and cure.

### Note:

- Due to expansive properties, do not use as a fairing or levelling coat, use only as a void filler.

### Technical Information

PROPERTIES	SPECIFICATION
Appearance	Grey granular powder
Bulk Density	1650 kg/m <sup>3</sup>
Wet Density	2200 kg/m <sup>3</sup> (Mix dependent)
Water Addition	Approx. 3.6 litres per 20 kg or 9 litres per 50 kg
Compressive Strength:	> 60 N/mm <sup>2</sup> at 28 days
VOC Content	Nil

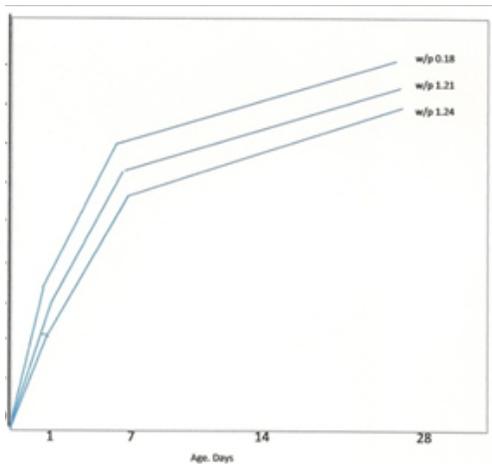
Note: Compressive strength is dependent on water addition and curing regime.

**Theoretical Coverage**

2.2 kg/mm/sq.mt

**Service**

Compressive Strength development at 20°C BS6319, Part 2: -



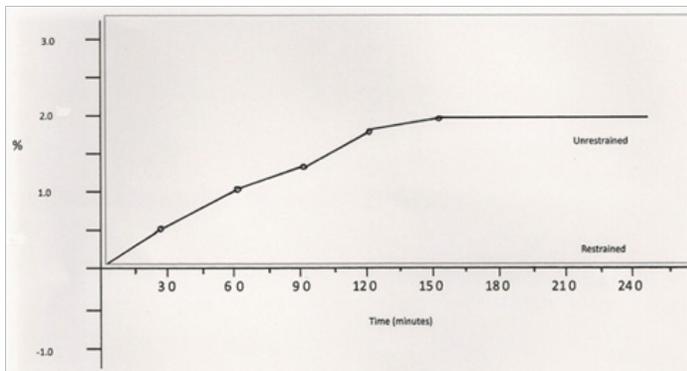
**Tensile Strength BS6319, Part 7:**

Mortar	w/p ratio 0.18	4.0 N/mm <sup>2</sup>
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**Water Absorption at age 28 days (oven dry)**

At 1 hour	+0.6%
At 72 hours	+1.2%

**Volume change at early age, ASTM C827:**



Additional technical information can be obtained from the Pidilite Middle East Technical Department.



### Storage

When stored in dry conditions in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C and high humidity (above 50%) will reduce shelf life and product performance.

### Health and Safety

This products contains cement. And contact with skin may cause irritation. It should not be inhaled, and a properly designed and maintained face mask should be used whilst handling, pouring and mixing the powder. Avoid contact with the product by working carefully, using a barrier cream and wearing protective gloves. If any contact does occur, wash thoroughly with soap and water. Use eye protection. Avoid contact with eyes, if such contact occurs irrigate with water for 20 minutes and seek medical advice. If mistakenly ingested, drink plenty of clean water and seek medical advice. See MSDS for further information.

Pidilite MEA Chemicals L.L.C offers a wide range of Structural Protection and Waterproofing systems:



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