

## CONFIL PUTTY

### Thixotropic Polyester Putty

#### Description

A carefully selected blend of resins and pigmented fillers which on mixing produce an easily applied thixotropic putty ideally suited for rapid repairs on vertical or inverted surfaces.

#### Applications

- Bonding slip bricks, tiles and mosaics.
- Filling honeycombing, blow holes, and spalled concrete.
- Bonding broken pre-cast units, kerbs, paving stones.
- Filling cracks and cavities on vertical and inverted surfaces.
- Setting in spigots, Y and T junctions and repairs to concrete pipes.
- Crack sealing prior to resin injection.

#### Advantages

- Quick cure combined with rapid strength gain.
- Simple to use - no critical mixing ratios.
- Grey in colour to match concrete.
- Economical - quantities mixed as required therefore no waste.
- Excellent chemical and water resistance.
- Supplied in polythene buckets which act as a mixing vessel.

#### Technical Information

Thixotropic Putty	
Resin To Hardener Ratio By Volume	1:1.7
Resin To Hardener Ratio By Weight	1:2
Yield cc/kg	578

#### Typical Strength Gain of Confil Putty

Temp	Compressive Strength N/mm <sup>2</sup>			
	2hrs	1day	3days	7days
20 °C	53	65	68	70

#### Typical Usable Life of Confil Putty

Temperature	Rapid Grade	Standard Grade
	Fast Set	Slow Set
10°C	24 mins	55 mins
15°C	20 mins	37 mins
20°C	16 mins	20 mins

## **Surface Preparation**

All surfaces should be clean, dry, free from oil, grease, chemical contamination and all loose materials. Oil and grease should be removed using Desolve . Concrete surfaces should be free from laitance. On smooth surfaces a stronger bond will result if the substrate is roughened to produce a mechanical 'key'. A stronger repair will result if the edges are cut straight with a chisel or similar tool to avoid feather edging the material.

## **Mixing**

Remove the can of Confil Resin and the bags of hardener/ aggregate contained within the plastic mixing bucket. In the large pack there are five small bags of hardener/ aggregate and a resin measuring cup for use where smaller quantities are required to be mixed. Pour the required amount of resin into the mixing bucket and add the hardener/aggregate slowly with continuous mixing until the correct consistency is achieved. Large quantities should be mixed in a suitable mechanical mixer such as a Creteangle or Mixal. Care should be taken not to mix more than can be used within the setting time of the material.

## **Application Instructions**

If formwork is used a suitable silicone or wax based release agent should be used to avoid the sticking of the mortar. The mixed Confil Putty should be trowelled firmly into place to ensure good adhesion. When bonding materials together the Confil Putty should be applied firmly to both surfaces, the materials should be brought together and the excess Confil Putty squeezed out and the joint supported until the Confil Putty has cured. A smoother surface can be obtained by keeping the float or trowel face clean and damp by wiping with a cloth dampened with Nuwash. If building Confil Putty up in layers, leave a rough surface between layers to make a mechanical 'key'.

Clean all tools and equipment immediately after use with Nuwash.

## **Packaging**

Confil Putty is available in 3 kg (1.73 litre) and 15 kg (8.67 litre) units.

## **Storage**

Confil Resin is flammable 31°C (88°F) and due precaution should be taken when handling and storing this material. Shelf life is approximately 6 months when stored correctly in sealed containers, however, at higher temperatures this period will be reduced. Store away from foodstuffs and out of the reach of children.

## **Health & Safety**

Confined areas should be well ventilated and do not smoke or allow naked flames during use. Confil Putty like similar products is capable of irritating unprotected sensitive skin, the use of gloves and a suitable barrier cream is therefore recommended.

## **Limitations**

For use below 5°C consult our technical department.

## **Technical Support**

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.

Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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