

# CONFIL BEDDING MORTAR

## Polyester Bedding Mortar

### Description

An extremely versatile two pack polyester bedding mortar which exhibits a very fast set and rapid strength gain surpassing the average strength of concrete within 1 hour. Ideal for the bedding of manhole frames, bollards and other street furniture, where the rapid set allows the minimum of disruption.

### Applications

- Fixing or bedding of copings and kerbs etc.
- Bedding and raising of manhole frames.
- Bedding street furniture.

### Technical Information

Yield:	454cc/kg
Typical Density:	2203
Flexural Strength:	23 N/mm <sup>2</sup>
Tensile Strength:	12 N/mm <sup>2</sup>
Shrinkage:	Less than 1%

Once Confil Bedding Mortar has fully cured no shrinkage will occur.

Flexural Strength                      BS6319 Part 3

Tensile Strength                        BS6319 Part 7

### Advantages

- Quick curing, early high compressive, flexural and tensile strength.
- Economic - quantities mixed as needed - no waste.
- Supplied in polythene buckets which act as a mixing vessel.
- Excellent chemical and water resistance.
- Simple to use - no critical mixing ratios.
- Will cure down to 0°C.
- No primer required.

### Typical Strength Gain of Confil Bedding Mortar

Time	Compressive Strength N/mm <sup>2</sup>	
	8 °C	20 °C
1 hr	15	45
2 hrs	50	60
4 hrs	60	70
24 hrs	70	80
7 days	80	95

### Typical Usable Life of Confil Bedding Mortar

Temperature	
7°C	30 minutes
20°C	10 minutes

## 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, this should be removed by either scarifying or etching with Chemclean. After using Chemclean, and after the reaction has ceased, wash the surface thoroughly with water and allow to dry. On smooth surfaces a stronger bond will result if the substrate is roughened to produce a mechanical 'key'.

## Mixing

Remove the can of Confil Resin and the bags of hardener/aggregate contained within the plastic mixing bucket. Pour the required amount of resin into the mixing bucket and add the hardener/aggregate slowly with continuous mixing until a trowelable 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 Bedding Mortar should be trowelled firmly into place to ensure good adhesion; on dense substrates the mix should be made more resin-rich to ensure good adhesion. A smooth surface can be obtained by keeping the float face clean and damp by wiping with a cloth dampened with Nuwash.

It is recommended that the maximum thickness in one application should not exceed 40mm.

Leave a rough surface between layers to promote a mechanical 'key'.

Clean all tools and equipment after use with Nuwash.

## Packaging

Confil Bedding Mortar is available in 25 kg 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 Bedding Mortar 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.

## Reducing Working Time

Sachets of accelerating powder can be added to each half pack mix to reduce the typical working time to the approximate times in the table below.

No. of Sachets Added	Mins @ 20°C	Mins @ 7°C
1	8	20
2	--	12
3	--	8

## 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.



Kingston House, 3 Walton Road, Pattinson North, Washington, Tyne & Wear, NE38 8QA, United Kingdom.

TEL: +44 (0) 191 416 8360 FAX: +44 (0) 191 415 5966 W: www.nufins.com E: info@usluk.com

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