



ULTRACRETE M90

General Purpose Fast Set Mortar

TECHNICAL

Ultracrete M90 is a fully pre-mixed dry-pack and only requires the addition of water on site. It can be used from 10mm - 75mm in one pass, greater depths can be achieved by using a layer upon layer method.

Ultracrete M90 can be bulked out with the addition of up to 30% hard stone clean aggregate. The addition of aggregate will slow strength gain. Exceptional bond strength is achieved without the use of a primer.

PREPARATION

All surfaces should be free from any contamination of oil, grease, paint etc. Remove all loose particles and work on a sound substrate. Pre-wet area with water.



MIXING

By hand or machine, a 25kg bag will require up to 3 litres of water. A stiff consistency with no slump should be achieved, ensuring all particles are well wetted.

PLACING

Apply material over pre-wetted area and within 4 minutes of mixing. Firm well into position by using a float. Clean any mixing machine with water immediately after mixing.

PRECAUTION

- ◆ Wash all tools frequently.
- ◆ Mix only enough material to apply in 4 minutes.
- ◆ Never remix or add water.
- ◆ Wear protective clothing.
- ◆ Avoid skin and eye contact.
- ◆ Wet cement can burn the skin!
- ◆ Cool temperatures retard.
- ◆ Warm temperatures accelerate.



A rapid strength bedding mortar designed for the fast installation of street ironwork. Once applied, the road can be open to traffic after 90 minutes.

- ◆ Rapid strength gain
- ◆ Shrinkage compensated
- ◆ Exceptional bond strength
- ◆ Economical
- ◆ Manufactured under a Quality Assurance Scheme BS EN ISO 9002: 1994

RECOMMENDED APPLICATIONS

- ◆ Bedding of street ironwork
- ◆ General repairs

Setting new standards in cement, resin and bitumen based products.

TECHNICAL ADVISORY SERVICE

Instarmac Group plc provides on site consultancy and technical assistance. We are delighted to work closely with Specialist Contractors.

ANCILLARY PRODUCTS

- ◆ **Ultracrete QC10**
Rapid strength concrete
- ◆ **Ultracrete IRR**
BBA/HAPAS approved cold lay macadam
- ◆ **Ultracrete SCJ**
Spray applied cold joint sealer for sealing vertical edges
- ◆ **Cemprime SP**
Slurry Primer

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HEALTH & SAFETY

This product contains cement which, when mixed with water is alkaline and may cause skin irritation. Operatives should wear protective clothing and work in well-ventilated conditions.

If product enters the eyes, wash thoroughly with clean water. If discomfort continues seek medical advice. In common with all powder products, the material should be mixed carefully, avoiding the raising of dust.

TYPICAL LAB RESULTS

Age	Temperature	(N/mm ²)	Tensile Strength (N/mm ²)
1 hour	20°C	12	-
2 hours	20°C	21	-
24 hours	20°C	28	-
1 day	20°C	-	1.82
7 days	20°C	-	2.46
28 days	20°C	>50	3.51
Workability: 5 – 12 minutes*			
Setting Time: 15 minutes*			

*Depending on temperature

Packaging	25kg bag or poly tub on shrink wrapped pallets
Storage	Store in a dry place at temperatures between 5° -35°C. Shelf life in correct conditions for sealed bags is 6 months. High temperatures and high humidity will lead to a reduced shelf life.
Density	2.220 kg/M ³
Yield	12.5litres (approx)
Colour	Light grey



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