

Rapid Hardening Post Fix Concrete

Information

Ultracrete Post Fix is a rapid hardening concrete containing special cements and a 10mm graded aggregate. It only requires water to form a strong concrete. **Ultracrete Post Fix** has been formulated for use as a sub-surface rapid set concrete which because of it's speed of set, holds the post/fixing in place instantly.

Technical

Ultracrete Post Fix is supplied (damp pack) in 25kg (2 part) poly bag, aggregate and cement in self contained bag. It is a rapid hardening concrete containing special cements and a 10mm graded aggregate. The addition of water to forms a strong concrete, for use as a sub-surface rapid set concrete.

Preparation

Good concrete practice should always be observed with organisation, to enable the mix to be placed into position within 4 minutes. Remove all loose debris, oil grease and other contaminants and work on a sound substrate, pre-wet area with water.

Mixing

Ultracrete Post Fix by hand or freefall mixer. Simply mix the inner bag containing cement to the aggregate. Add approximately 2.5 litres of water and mix thoroughly. Do not over water, add any small additional amounts of water to mix gradually until a stiff concrete consistency is achieved.

Note: The addition of excessive water will result in slower strength gain, reduced final compressive strength and the possibility of shrinkage cracking.

Placing

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

Curing

No curing required.

Precautions

- Wear protective clothing/avoid skin and eyecontact.
- Wet cement can burn the skin!
- Mix only enough material to apply in 4 minutes.
- Never remix or add water/wash tools frequently.



Features & Benefits

Ultracrete Post Fix is a rapid set concrete, which combines strength and durability and significantly reduces the likelihood of damage due to movement that can occur when a post is newly fixed.

- Acid resistance.
- Economical.
- Sets in 15 minutes (dependant upon temperature).
- Workability 5 – 10 minutes (dependant upon temperature).
- Small contractor friendly units.
- Professional grade.
- Manufactured under a Quality Management System BS EN ISO 9001: 2000.

Recommended Applications

Fixing of sign posts, road signs, fence posts, haunchings, street lighting columns, street furniture, speed cameras and road side barriers.

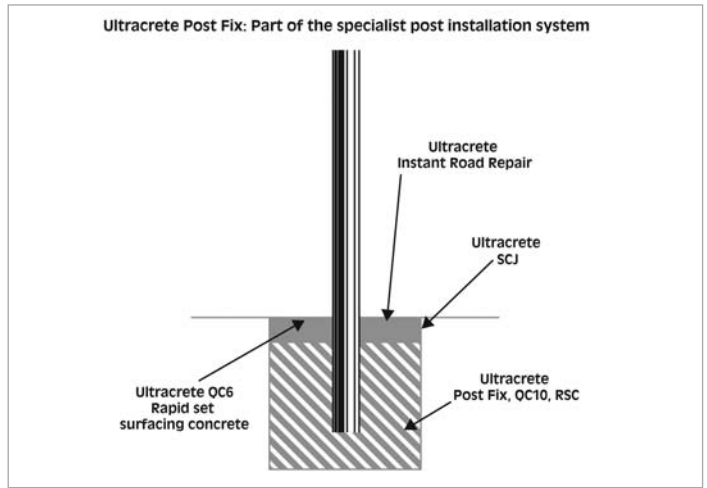
Related Products

- | | |
|------------------------|--------------------------------------|
| Ultracrete IRR | BBA/HAPAS Approved cold lay macadam. |
| Ultracrete SCJ | Spray applied cold joint sealer. |
| Ultracrete QC6 | Rapid setting concrete. |
| Ultracrete QC10 | Rapid set surfacing concrete. |
| Ultracrete RSC | Extra rapid hardening cement. |

Health & Safety

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

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 – Ultracrete Post Fix (formerly known as K10 – NAMAS Accredited)

Age	Temperature	Compressive Strength (N/mm ²)
1 hour	20°C	2.5
1 day	20°C	20.0
7 days	20°C	31.0
Workability	10 minutes*	
Set Time	15 minutes*	

*Depending on temperatures – test carried out at 20°C. Cool temperatures retard, warm temperatures accelerate.

Unit/Packaging	25kg Bag or poly tub delivered 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	2.300kg/m ³
Yield	12 litres (approximately)
Colour	Brownish Grey

For updated Material Safety Data information visit www.instarmac.co.uk

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