

# ULTRACRETE QC6

## Rapid Setting Concrete

### TECHNICAL

**Ultracrete QC6** is a single component pack containing special cements and a 6mm graded aggregate. It only requires the addition of water to form a high strength rapid setting concrete which when set dries to match most existing concrete surface.

### PREPARATION

Good concrete practice should always be observed, to enable the mix to be placed into position within 10 minutes. Remove all loose particles and work on a sound substrate, Pre-wet area with water.

### PRIMING

#### (Large Section Repairs Only)

Ensure substrate is permanently damp. Remove all ponded water and prime using **Cemprime SP**, scrubbed well into the substrate. Apply **Ultracrete QC6** material immediately after mixing, ensuring that primer is still wet.

### MIXING

By hand or machine, a 25kg bag will require approximately 2.75 litres of water. A stiff consistent mix should be achieved, ensuring all particles are well wetted.

### PLACING

Apply material over pre-wetted area and as soon as possible after mixing. Firm well into position by tamping or using a float. Clean any mixing machine with water immediately after mixing.

Minimum depth 20mm,  
Maximum depth 100mm.

### CURING

#### Small Patches:

Curing not required.

#### Large Section Repairs:

Spray curing agent, **Cemcure AR**, immediately after surface finish has been achieved. Due to rapid hardening features of **Ultracrete QC6**, copious amounts of curing agent must be applied.

### 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!
- ◆ Warm Temperatures accelerate
- ◆ Cool Temperatures retard



The market leading non-shrink concrete designed for reinstatements of ironworks and access covers on roads & pathways. The speed of application and ultra quick setting time reduces the risk of damage to the newly reinstated area.

- ◆ Shrinkage compensated
- ◆ Excellent workability
- ◆ Fast setting
- ◆ Versatile
- ◆ Manufactured under a Quality Assurance Scheme BS EN ISO 9002: 1994

## RECOMMENDED APPLICATIONS

Reinstatements in concrete drives, pavements, paths and areas surrounding street furniture.

Typically used in town centres, seaside resorts and tourist areas

## TECHNICAL ADVISORY SERVICE

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

## ANCILLARY PRODUCTS

- ◆ **Cemcure AR**  
Acrylic Curing Membrane
- ◆ **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

### NAMAS Accredited

Age	Temperature	(N/mm <sup>2</sup> )
2 hours	18/20°C	10.0
4 hours	18/20°C	16.5
24 hours	18/20°C	21.1
Workability: 5 – 10 minutes*		
Setting Time: 15 minutes*		

*\*Depending on temperature*

<b>Packaging</b>	25kg bag or poly tub delivered on plastic covered pallets.
<b>Storage</b>	Store in a dry place at temperatures between 5° -35°C. Shelf life in correct conditions for sealed bags and tubs is 6 months. High temperatures and high humidity will lead to a reduced shelf life.
<b>Density</b>	2.250 kg M <sup>3</sup>
<b>Yield</b>	12.5 litres (approx)
<b>Colour</b>	Grey



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