



THE FENDER BCS GROUP OF COMPANIES

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## SUPA-CRETE ExCeL

(D.o.T. HIGHWAYS AGENCY SPEC: HD 27/04 COMPLIANT)

**Supa-Crete ExCeL** is a pre-blended, pourable, high strength, rapid setting, shrinkage compensated concrete designed as a permanent emergency patching material

**Supa-Crete ExCeL** has been independently tested by UKAS Labs for compliance to D.o.T: Highways Agency Spec: HD27/04.Vol 7. Spec.Part 7. Clause 3.11.

**USES:** Bedding in of street furniture, ironwork, lamp and fence posts etc. where rapid return to service is required.  
Structural repairs of concrete carriageways, runways and bridge decks.

**Supa-Crete ExCeL** can also be used where low ambient temperatures are a problem.

### FEATURES AND BENEFITS:

- Single component, easy to use.
- Fast curing, return to service in 60 minutes @ 20°C.
- Contains no chlorides.
- Contains special cements and graded aggregates.
- Shrinkage compensated in both plastic and hardened states.
- Can be applied at temperatures down to 5°C.

### TECHNICAL DATA:

All tests carried out at 20°C

Pot life	20 mins
Compressive strength (N/mm <sup>2</sup> )	25 1 Hour
	50 2 Hours
	65 1 Day
	72 7 Days
	85 28 Days
Yield (/25kg)	11.75 litres
Yield (/tonne)	0.47 m <sup>3</sup>
Shrinkage	Less than 0.001%

*Our expertise is fitting all the pieces together*

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## PRIMING

Surfaces should be clean and dust free. Thoroughly soak contact surface with clean water prior to application of **Supa-Crete ExCeL**. Porous surfaces should be primed with a suitable concrete primer, ensuring the primer is thoroughly brushed into the surface.

## MIXING

**Supa-Crete ExCeL** can be mixed by hand or by using an electric (1Kw) or pneumatic power tool. Larger amounts can be mixed by FORCED ACTION paddle mixer, NOT conventional rotating drum cement mixer. 25kg of powder should be added carefully to approximately 2.75 litres of clean water, progressively mixing until a pourable concrete is achieved. Once mixed the material must not be re-worked. **Note: Due to the rapid setting time the material should be placed immediately after mixing.**

## APPLICATION

Immediately prior to application all excess surface water should be removed.

## CURING

Any concrete exposed to wind or drying conditions should be suitably protected, preferably by coating with **Supa-Cure WW**, (NOT if the concrete is to receive further layers or coatings as the curing agent leaves a waxy film on the surface which could adversely affect subsequent coating bond/adhesion).

## STORAGE AND SHELF LIFE

When stored correctly, in original unopened bags in cool, dry conditions **Supa-Crete ExCeL** has a minimum shelf life of 9 months.

## PACK SIZE AND COVERAGE

**Supa-Crete ExCeL** is supplied in nominal 25kg packs.

## QUALITY CONTROL

**Supa-Crete ExCeL** is factory blended, tested and packaged to quality control procedures in accordance with BS EN ISO 9001 Series.

## FIRST AID MEASURES

Eye contact: Irrigate immediately with clean water or an eye wash solution for at least 15 minutes.

Skin contact: Wash immediately with clean water followed by soap and water.

Inhalation: Treat symptomatically.

Ingestion: Give water or milk to drink. Do not induce vomiting, treat symptomatically.

## HEALTH AND SAFETY

See Material Safety Data Sheet.