

# Slabcrete Product Information



Designed by Ronez, Slabcrete is a range of fibre reinforced grade concretes that reduce the errors associated with the use of conventional reinforcing methods.

Slabcrete provides contractors and specifiers with a high performance, secure fast track solution to many of the more challenging aspects of construction.

Slabcrete utilises carefully selected frost resistant aggregates and a range of metal or polymer reinforcing fibres together with cements selected for the particular application. Slabcrete is distinguished by a number of enhanced and special technical properties.

#### Slabcrete when correctly specified will deliver:

- Unparalleled ease of construction
- Enhanced toughness making it suitable for areas subjected to high impacts

- Placing Slabcrete is as easy as conventional concrete, is available in strengths up to 50N/mm<sup>2</sup> and may be supplied containing a pigment
- High volume stability reduced shrinkage
- Superior toughness when subjected to mechanical forces and plant
- Possible reductions in section, subject to design when compared to traditional concrete
- Certainty of reinforcement location
- Possible savings over conventional steel mesh reinforcement
- Reduction in joints through larger panel construction
- Slabcrete can be tailored to the particular challenges of your contract

## Applications

Slabcrete can be utilised in all forms of slab construction for residential, transport infrastructure, office and administrative buildings as well as hotels, schools and hospitals.

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### Manufacturing standard

Slabcrete conforms with the requirement of European standard BS EN 206 Specification, performance, production and conformity and with the requirements of BS8500-1 and BS 8500-2.

Slabcrete is manufactured under independently monitored third party quality assurance schemes in accordance with ISO 9001 and with factory environmental compliance to ISO 14001.

### Typical performance and technical data

Available in strength classes from: C30 to C50

Flexural strength from: 5 N/mm<sup>2</sup>

### Installation standard

The Slabcrete range is intended to be placed by conventional skip, pump or direct placement methods.

Available in consistence classes up to S4.

Full compaction will be achieved by the correct application of standard equipment, using other methods may not allow the products to achieve their full potential.

### Curing

As with any concrete it is essential to cure Slabcrete correctly, any failure to do so will result in some loss of performance.

Whilst Slabcrete exhibits a superior resistance to the drying effects of wind and sun, conventional good practice should be followed in the prevention of plastic shrinkage cracking.

Immediately the finishing operation is complete final curing should commence and may be accomplished by the use of any recognised high efficiency curing membrane.

Except in cases where rapid access is required curing should continue for at least 7 days.

### Key aggregate and recycled content

This product may be formulated to be substantially better for the environment than the equivalent traditional concrete. Ronez is unique in being able to quantify this difference.

The raw materials used in the manufacture of the binders are obtained from processes where they form from a co-product.

### COSHH data

Full COSHH data on Ronez concrete products is available on request.

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