GUIDE SPECIFICATION SHEET

SI® Concrete Systems

STEALTH

(12mm - Multifilament Fibres)

BBA BRITISH BOARD OF AGRÉMENT CERTIFICATE No 92/2857

BENEFITS

To improve the plastic state properties of concrete by:

- Increasing early age tensile strain capacity.
- Reducing settlement and bleeding.
- Reducing plastic shrinkage and settlement cracking.
- Increasing cohesion and reducing segregation.

To improve the hardened state properties of concrete by:

- Increasing impact and shatter resistance.
- Increasing abrasion resistance
- Improving resistance to freeze/thaw.
- Increasing resistance to explosive spalling.

SPECIFICATION

Engineered fibres for concrete shall be STEALTH (12mm - Multifilament) polypropylene fibres, complying with British Board of Agrément (BBA) Certificate N° 92/2857 (4th edition, detail sheet 3).

STEALTH (12mm - Multifilament) fibres shall be manufactured to ISO 9002 Quality assured standards from pure polypropylene to ISO 1873-PP-H, 28-02-200 supplied by:
Synthetic Industries Europe. (Tel: + 44 (0)1246 564200)
Unless otherwise stated, STEALTH (12mm - Multifilament) fibres shall be mixed at the batch plant, at the recommended rate of 0.9kg (1 bag) per cubic metre, and mixed for sufficient time (min 5 minutes at full mixing speed, for truck mixed concrete) to ensure uniform distribution of the STEALTH fibres throughout the concrete mix.

NOTES

1 *STEALTH (12mm - Multifilament) fibres may be added to most concrete mixes without any change to the mix design. Any slump loss noted is NOT an indication of a reduction in the concrete workability, it is merely a thixotropic effect caused by the fibres.*

2 *BBA Certified tests have shown that concrete containing STEALTH (12mm - Multifilament) fibres meet the requirements BS 5075 : Part2 : 1982.*

3 *STEALTH (12mm - Multifilament) fibres are chemically inert and therefore unaffected by the addition of admixtures or cement replacements in concrete.*

4 *STEALTH (12mm - Multifilament) fibres are carried as a stock item by most national and many regional / local concrete suppliers.*

5 *The services of a SI Concrete Systems Area Manager is available to Specifiers, Contractors and Concrete Producers on request.*

GENUINE FIBERMESH

SI Concrete Systems
Hayfield House, Devonshire Street,
Chesterfield, Derbyshire, S41 7ST. UK.
Tel: + 44 (0)1246 564200 Fax: + 44 (0)1246 564201
E-mail: fibermesh@sind.co.uk
www.siconcretesystems.com

NOVOCON®