GUIDE SPECIFICATION SHEET

SI® Concrete Systems

FIBERMESH INFORCE e³

(Graded Fibrillated Fibres)

BBA BRITISH BOARD OF AGRÉMENT CERTIFICATE No 92/2857

BENEFITS

To improve the plastic state properties of concrete by:

- 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 FIBERMESH INFORCE e3 graded polypropylene fibres, complying with the British Board of Agrément (BBA) Certificate No 92/2857 (4th addition / detail sheet 5)

FIBERMESH INFORCE e3 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, FIBERMESH INFORCE e3 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 FIBERMESH INFORCE e3 fibres throughout the concrete mix.

NOTES

1 *FIBERMESH INFORCE e3 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 fibre.*

2 *FIBERMESH INFORCE e3 fibres are chemically inert and therefore unaffected by the addition of admixtures or cement replacements in concrete.*

3 *FIBERMESH INFORCE e3 fibres are carried as a stock item by most national and many regional / local concrete suppliers.*

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

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