

FIBERFLEX

Larsen Fiberflex is a BBA approved high performance polypropylene fibre specifically designed for use in ready-mixed concrete. Larsen Fiberflex can be used a replacement for non-structural steelmesh. The addition of Larsen Fiberflex increases the tensile strain capacity of the mix at plastic stage and so reduces the tendency for plastic shrinkage cracking. As the rate of bleed is also controlled throughout the matrix, hydration is improved and permeability is reduced.

*Consult Agreement Certificate No 02/3925 for further details.

REDUCES PLASTIC SHRINKAGE CRACKING
IMPROVES DURABILITY
INCREASES IMPACT & ABRASION RESISTANCES
REDUCES PERMEABILITY
IMPROVES FREEZE/THAW RESISTANCE
IMPROVES FIRE RESISTANCE

TECHNICAL INFORMATION

DESCRIPTION: Monofilament Polypropylene Fibre

DIMENSIONS: 12 mm x 18 mm

SURFACE: Coated for dispersion and adhesion

MELT POINT: 160°C

SPECIFIC GRAVITY: 0.91

ABSORPTION: Nil

DIRECTIONS FOR USE:

DESIGN DETAILS

The design should remain as in conventional concrete except that there is no need to use crack control steelmesh. The addition of Fiberflex will reduce the slump by up to 10%, however the workability of the mix will remain unaffected and it is important not to add extra water. Structural steel cannot be replaced. Proper curing procedures should be maintained at all times. Surface finishes will be unaffected by the use of Fiberflex.

DIRECTIONS

Larsen Fiberflex should be added at the rate of 0.91 kg/m³ of concrete. The fibres are coated to aid dispersal but thorough mixing is required with the fibres being the first material dispensed to the mixer.

COMPATIBILITY

Larsen Fiberflex can be used with all types of Portland Cements. The fibre is chemically inert and it is unaffected by the addition of admixtures.

NOTE

Larsen Fiberflex does not enhance the structural properties of concrete and should not be considered as a replacement of structural steel. Larsen Fiberflex does not adversely affect the flexural strength of screed/concrete/render.

STORAGE

Store in closed containers in dry conditions.

SHELF LIFE

12 months in unopened manufacturer's containers.

PACKAGING

Fiberflex is supplied in boxes of 12 x 0.91kg bags.