

FIBRIN 623

Larsen Fibrin 623 is a high performance, polypropylene microfibre, specifically designed for use in renders, mortars, screeds, overlays and toppings. Fibrin 623 can be used as a replacement for non-structural steelmesh. The fibres are extremely fine, single filaments cut to lengths of 6mm. The fibres are coated to improve initial dispersion and bond. Fibrin fibres are extremely fine and although slightly visible at the plastic (wet) stage, are not readily seen on the hardened surface. The inclusion of microfine fibres reduces the incidence of plastic shrinkage cracking and greatly improves durability and Freeze/Thaw resistance.

Reduced Shrinkage Cracks
Reduced Settlement
Reduced Bleeding (excess water rising to surface)
Alternative to Crack Control Mesh
Reduced Water and Chemical Permeability
Increased Abrasion Properties
Increased Impact Resistance
Improved Freeze/Thaw Resistance

TECHNICAL INFORMATION

DESCRIPTION: Monofilament Polypropylene Fibre

DIMENSIONS: 6 mm x 18µm

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 renders, mortars and screeds. Minimum recommended depths of screed should be adhered to. Proper curing procedures should be maintained at all times.

DIRECTIONS

Larsen Fibrin 623 should be added at the rate of 1 kg/m³ of screed. The fibres are coated to aid dispersal but thorough mixing is required with the fibres being the first material dispensed to the mixer.

In mortar & render the fibres should ideally be added to the mixer along with one third of the mixing water. After all the other ingredients have been added, including the remaining mixing water, the material should be mixed for a minimum of 70 revolutions at full speed to ensure uniform fibre dispersion. In the case of site mixing, a minimum of 70 drum revolutions is highly recommended.

COMPATIBILITY

Fibrin 623 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 Fibrin 623 does not enhance the structural properties of concrete and should not be considered as a replacement for structural steel. Larsen Fibrin 623 does not adversely affect the flexural strength of screed/concrete/render.

STORAGE

Store in closed containers in dry conditions.

SHELF LIFE

24 months in unopened manufacturer's containers.

PACKAGING

Fibrin 623 is supplied in boxes of 20 x 1kg bags.