



LayMesh

Fiber reinforcement for Mortar and Concrete 3-19 mm

PRODUCT DESCRIPTION: LayMesh is made up of fibrillated polypropylene fibers that are cut to an average length of 3-19 mm. It provides a secondary form of concrete micro-reinforcement. It is rust proof, alkali resistant, safe and easy to use.

USES: Slab on Grades and walks alternative to wire mesh, shotcreting of water tanks and pans to lower permeability, hill stabilization shotcreting, plastering mortar, swimming pools with reinforced concrete, roof topping screed, reinforcement for basements, columns and foundations, rock stabilization by shotcrete, precast concrete panels, stucco and textured surface reinforcement, industrial floors requiring high abrasion resistance, fuel resistant and Abrasion resistance airport parking ramps, lightweight concrete floor topping, parking areas, waste water treatment plants and sewer canals.

LIMITATIONS: Polypropylene fibers are not to be used in fire rated areas.

ADVANTAGES: LayMesh Inhibits Cracking caused by plastic drying shrinkage, prevents corrosion of embedded steel by reducing concrete permeability by 80%, provides 3-dimensional concrete reinforcement, increases concrete resistance to fatigue and impact shatter, increases concrete resistance to abrasion, holds cracks together, pumpable with concrete.

PACKAGING: Packaged in 600g degradable bags.

TECHNICAL DATA:

Tensile strength: 0.6 KN/mm²

Young's Modulus: 3.5 KN/mm²

Fiber Length: 19 mm

Absorption: Nil

STANDARDS: ASTM C-1116 Type III and ASTM C-1018-97, Standard test method for flexural toughness and first crack strength of Fiber-Reinforced concrete.

INSTALLATION: LayMesh is mixed with concrete at a standard dosage of 600g per 1 cubic meter. Higher dosage is required for plasters. Do not exceed 15 kg/m³.

Precautions: No known hazards.

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Specifications subject to change without notice.

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