



INTRODUCTION

Fibrecon®-mono is chemically inert, non-corrosive monofilament polypropylene fibre. **Fibrecon®-mono** disperses easily and instantly into mix. It improves tensile and compressive strength, arrest drying shrinkage cracks and reduces permeability hence ensures water tightness. This ultimately leads to improvement in durability structures. It also reduces density, ensuring more yield of mix and reduces number of construction joints in floor. Use of Fibrecon-mono minimises steel reinforcement in industrial floors. It can be used with all types of OPC/PPC.

PRODUCT

Fibrecon®-mono fibre is manufactured from virgin polypropylene. **Fibrecon®-mono** monofilament fibres were developed in late eighties as a replacement for the already popular fibrillated varieties. **Fibrecon®-mono** because of their fineness and therefore greater flexibility, do not stand proud of the surface and will trowel flat to give fibre free finish. Fibrecon-mono introduces 273 million fibres per cubic metre of concrete. Each element is coated with a compound to aid dispersion and improve the bond between fibre surfaces and cement matrix. **Fibrecon®-mono** is unique specially treated fibre reinforcement for concrete and mortar.

TECHNICAL DETAILS

PARAMETERS	FIBRECON-MONO
Specific Gravity	0.91
Tensile Strength, N/mm ²	300
Water Absorption	Almost Nil
Softening Points	140-150 °C
Melting Points	160-170 °C
Alkali Resistance	Excellent
Elastic Modulus, KN/mm ²	3.5
Ignition points	About 580 °C
Elongation @ break	<80%
Consumption	125 gm/50kg cement, 0.6-0.91Kg/m ³ concrete

PURPOSE

To improve tensile and compressive strength of concrete and mortar which minimizes the cracks and reduces drying shrinkage and hardened shrinkage crack and permeability in the mix. It also reduces plastic settlement. In hardened state, fibre improves



DATASHEET

FIBRECON MONO
adding more life to concrete

High Performance PP Fibre for Concrete & Plaster

freeze/thaw resistance, impact resistance, abrasion resistance, fire damage properties and water and chemical penetration resistance.

PACK, SIZE

Pack: 125 gm pack, 0.6 kg, 0.91 Kg, **Cut Lengths:** 6 mm, 12 mm, 19 mm length.

DOSAGE

The addition rate of **Fibrecon-mono** varies with grade of concrete and mortar. For optimum performance 125 gm pack should be used with 50 kg of cement. For other mixes use 2 gm per one kg of mix or 0.6 to 0.91 kg per meter cube of concrete depending on the application.

WHERE TO USE

Internal plaster, External plaster, Concrete repairs, Terrace slab, Industrial floors, sea defense, shotcrete/gunite, external yards, precast concrete, piling, water retaining structures, bridges, renders screeds, concrete roads, precast concrete, railway sleepers, etc.

SHELF LIFE

Practically unlimited life but use before 12 months from the date of manufacturing.

HEALTH & SAFETY

Fibrecon-mono is a non-toxic and non-flammable.

Please consult our technical department for further information. The product, Fibrecon –Mono here is for 'Do-it-Yourself', (DIY).

WARRANTY

Multichem warrants Fibrecon-Mono to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of Fibrecon-Mono.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.



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This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of Fibrecon-Mono.

Because of constant improvement of manufacturing techniques and formulations, Company reserves rights to change this datasheet and its contents without prior notice.



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