

Synthetic Macrofiber MAF40

(Imitation Steel Fiber, Plastic-steel Fiber and Polypropylene Coarse Fiber)

Description

FIBERECO Synthetic Macrofiber MAF40 is 100% virgin copolymer fiber, can successfully reduce the cracks inside the concrete, to reinforce impact and abrasion resistance, improve shatter resistance and toughness, prolong the long-term durability of concrete and cement-based buildings. Easy to disperse in water.

Specifications and characteristics	
Material	100% Virgin Polypropylene
Appearance	Transparent or White, Patterned
Specific Gravity	0.91
Typical Dosage Rate	1-1.5 KG/MT
Available Length	35-50mm
Melt Point	160°C
Ignition Point	590°C
Electrical/Thermal Conductivity	Low
Water Absorption	Negligible
Acid and Alkali Resistance	Excellent
Tensile Strength(White)	750 M Pa
Tensile Strength (Transparent)	350 -500M Pa
Aspect Ratio	79
Modulus of Elasticity	9000MPa
Melt Flow	3.5

Application

Slabs on grade
Toppings and overlays
Water Resources and Hydropower Engineering
Composite metal decks
Exterior pavements

Advantages

Reduce cracks inside of the concrete
Provides multi-dimensional secondary reinforcement
Improves residual strength of concrete
Improves impact, shatter, ductility and abrasion resistance of concrete.
Enhances durability and toughness of concrete
Alkali and Corrosion Resistant
Reducing embodied carbon through the replacement of convention steel reinforcement with synthetic structural fibers.

Packaging

Water-soluble film bag of each bunch, contained in carton.

Dosage

The standard dosage rate is 1-1.5KG/MT. FIBEREGO MAF40 should be added per project specifications or engineer's

Shelf Life & Storage

3 years in original, unopened package. Stored in a cool dry place.

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