



FIBPRO 3X 55/30

(HIGH TENSILE HOOKED END
LOOSE AND GLUED STEEL FIBRE)



DESCRIPTION

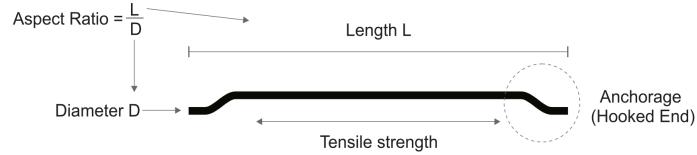
FIBPRO 3X 55/30 steel fibres are designed specifically for the reinforcement of concrete, mortars and other cementitious mixes. **FIBPRO 3X 55/30** is a low carbon wire deformed with hooked ends to provide optimum performance within the concrete mix. **FIBPRO 3X 55/30** steel fibres are European Standard EN 14889-1:2006 compliant and have been specifically designed to meet or exceed the defined performance requirements.

FEATURES / ADVANTAGES

- Provides uniform multi-directional concrete reinforcement
- Increases crack resistance, ductility, energy absorption or toughness of concrete
- Improves impact resistance, fatigue endurance and shear strength of concrete
- High tensile strength fibre bridging joints and cracks to provide tighter aggregate interlock resulting in increased load carrying capacity
- Provides increased ultimate load bearing capacity which allows possible reduction of concrete section
- Requires less labour to incorporate into concrete than conventional reinforcement
- Offers economical concrete reinforcement solutions with greater project scheduling accuracy
- Ideally suited for hand or vibratory screeds, laser screeds and all conventional finishing equipment

APPLICATIONS

- Ground supported slabs
- Tunnels Shotcreting
- Precast
- Overlays
- Walls



PHYSICAL PROPERTIES	
Material	Low Carbon Drawn Wire
Aspect Ratio	55
Length (mm)	30 mm
Diameter (mm)	0.55 mm
Tensile Strength (FIBPRO 3X 55/30 BL)	>1200 MPa (Loose Steel Fiber)
Tensile Strength (FIBPRO 3X 55/30 BG)	>1230 MPa (Glued / Collated Steel Fiber)
Appearance	Clear and Bright with Hook End anchorage
Conforms To	EN 14889-1:2006, ASTM A820 M04 Standard

DIRECTIONS FOR USE

MIXING DESIGNS AND PROCEDURES

FIBPRO 3X 55/30 steel fibres can be added after the batching of the concrete but should never be added as the first component. Such devices as conveyor belts, chutes and dispensers may be used to add fibres to the mixer at the ready mix plant. After the fibres have been added, the concrete should be mixed for sufficient time (minimum 5 minutes at full mixing speed) to ensure uniform distribution of the fibres throughout the concrete. The use of mid or high-range water reducing admixtures can be advantageous, but is not essential.



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PLACING

FIBPRO 3X 55/30 steel fibres can be pumped and placed using conventional equipment. Hand or vibratory screeds and laser screeds can be used with steel fibres.

FINISHING

Conventional finishing techniques and equipment can be used when finishing **FIBPRO 3X 55/30** steel fibre concrete. In some cases an extra bull float process is advised and lowering the angle of the power float blades will help to minimise fibre exposure on the surface.

COMPATIBILITY

FIBPRO 3X 55/30 steel fibres are compatible with all curing compounds, super plasticizers, water reducers, hardeners and coatings

SAFETY

It is recommended that gloves and eye protection be used when handling or adding **FIBPRO 3X 55/30** steel fibres to concrete.

PACKING

FIBPRO 3X 55/30 BL : 25 Kg / 900 Kg HDPE Bag
Packing

FIBPRO 3X 55/30 BG : 20 Kg / 700 Kg HDPE Bag
Packing

PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

DISCLAIMER

The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carry out the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control. We would not hold ourselves responsible on its consequential nonperformance.



MR MARK OVERSEAS (A UNIT OF MARKCHEM SPECIALITIES PVT LTD)

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