



3TS-4

Steel Macro-Fiber

Description:

3TS-4 is a high-carbon and nonlinear shape wire fiber has high strength, good flexibility, supreme fatigue property and excellent linearity. 3TS-4 designed to provide concrete with temperature and shrinkage crack control, enhanced flexural reinforcement, improved shear strength and increase the crack resistance of concrete.

Advantages:

- Increases load-bearing capacity of concrete
- Increases impact, explosions, dynamic and cyclic loads, shatter, fatigue and abrasion resistance of concrete
- Increases overall durability and flexural toughness
- Controls and mitigates plastic shrinkage cracking and reduces segregation and bleed-water
- Increases ductility
- Reduces site labor for managing steel reinforcement
- Provides easier positioning of joints
- Provides three-dimensional reinforcement against macro-cracking
- Provides the same mechanical behaviour of the structure in all directions

Applications:

- Commercial and industrial slabs on ground and slabs on pile
- Bridge decks
- Overlays
- Pavements
- Structural and non-structural precast concrete
- Mass concrete
- Composite deck construction
- Prefabricated elements
- Tunnel lining
- Industrial flooring, military and commercial.
- Shotcrete
- Slope stabilization

Tadbir Tarmim Tagviat Saze

- High resistance concrete





Tadbir Tarmim Tagviat Saze

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Technical Information:

Cross Section	Circular
Diameter	0.2 mm
Length	20 ~ 40 mm
Aspect ratio L/D	100 ~ 200
Tensile Strength	2500 MPa
Ultimate Strain	< 4%
Specific Gravity	7.85

Shape:

Nonlinear shape of fibers ensure perfect Interface between steel rebar and concrete.

Dosage:

Dosage rates will vary depending upon the reinforcing requirements and can range from 12 to 60 kg/m³ or higher

Reference Standards:

- ASTM A820
- UNI EN 14845-2
- EN 14889-1
- EN 14651
- UNI 11037
- UNI 11039
- CNR – DT 204/2006
- RILEM, 2001
- ISO 13270
- ISIRI 14491

PACKAGING:

Fibres are packaged in bags of 15, 20 and 25 kg.

STORAGE:

The packages keep the far from oil and dust exposure.