

Product

EESF® AFT Round Wavy 1.0/55

Type

Round Wavy Steel Fiber

Aspect Ratio (L/d)

55.00



Experts in Fibers Reinforced Concrete

**EGYPTIAN**  
**EUROPEAN**

*Steel Fibers®*



# Product Data Sheet

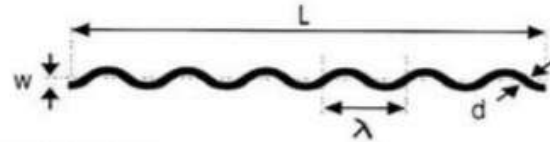
## EESF® AFT Round Wavy Steel Fiber

### 1.0/55



### Product Description

EESF® AFT Round Wavy Steel Fiber 1.0/55 is a low carbon, cold-drawn steel wire designed to reinforce slab on grade concrete and enhance reinforced constructional elements with shrinkage crack control, improve shear resistance, and increase tensile and flexural strengths.



Circular Segment Cross section

### Advantages

- Prevent cracks due to early-age shrinkage .
- Better cohesion in the fresh concrete.
- Increase flexural strength and shear resistance.
- Improve load capacity and concrete ductility.
- Increase abrasion, fatigue resistance.
- Enhance concrete in its hardened state.
- Provide ultimate performance under intense conditions

### Product Data

Width (d)	1 mm ± 0.2 mm
Length (L)	55 mm ± 0.2 mm
Wave Depth (W)	0.65 mm
Wave Length (A )	8 mm
Density	7,870 kg / m3
Melting point	1,480°C
Tensile Strength	2400N/mm2
Aspect Ratio(L/deff)	55.00

### Usage

- Industrial floor slabs
- Warehouses , Factories.
- Commercial and Residential S.O.G. and screed flooring.
- Bridge decks, overlays and pavements.
- Concrete Roads, Parking Areas .
- Precast concrete applications and slabs on pile.
- Shotcrete.
- Tunnel, linings and slope stabilizations .
- Mass concrete and composite deck construction.
- Military Purposes

### Chemical Composition

Carbon (C)%	0.09% ±0.01%
Silicon (Si)%	0.08% ±0.03%
Manganese (Mn)%	0.70%±0.10%
Phosphorus (P)%	≤0.015%
Sulphur (S)%	≤0.03%

### Specification Compliance

EESF® AFT Round Wavy Steel Fiber is manufactured according to AISI 1008-1010 standards, ASTM A820



### Dosage

Recommended Dosage 10 : 36 kg/m3 according to aci  
 Add directly to the concrete mix while being mixed either at the batch plant or the truck mixer.  
 Mix for a minimum of 5 minutes at maximum mixing speed after addition of fibers to ensure complete distribution of the fibers.



### Packing

25kg double layered carton bags.



# CERTIFICATE

## Certificate of Registration

TEAM QUALITY MANAGEMENT SYSTEMS

This is to Certify that the Quality Management System of

### EGYPTIAN EUROPEAN FOR MANUFACTURING STEEL FIBER

Villa 306, Al Yasmine 6, 5th Settlement New Cairo, Cairo – Egypt.

Has been found to be of the Quality Management System Standard

## ISO 45001:2018

(Occupational Health and Safety Management Systems)

This certificate is valid for the following product or service range

Manufacture of Steel Fiber for Ready- Mix Concrete

Certificate No. : TQO24100601

Date of initial registration	06-10-2024
Date of this certificate/Issue No.	06-10-2024
Certificate Expiry	05-10-2025
Recertification Due	05-10-2027



\*After successful completion of Annual Surveillance Audit, New certificate will be issued.

This Certificate is valid per Rules and Regulations of TQ & also the surveillance audits conducted atleast once a year  
To check the certification validity please visit our website- [www.tq.com.eg](http://www.tq.com.eg) or contact at- [info@tq.com.eg](mailto:info@tq.com.eg)



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Accreditation by EGAC Kornish El-Maadi, Riad El-Maadi Tower 1 - Cairo - Egypt



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## ISO 9001:2015 (Quality Management System)

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## ISO 14001:2015

(Environmental Management System)

This certificate is valid for the following product or service range

Manufacture of Steel Fiber for Ready- Mix Concrete

Certificate No. : TQE24100601

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## Applications



More of  
**FIBER**  
products



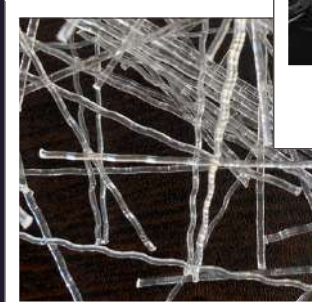
EESF® جلاسي فايبر  
**Glass Fiber**



EESF® بولي تويست فايبر  
**POLYTWIST FIBER**



EESF® بولي بروبيلين فايبر  
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