

Product

EESF® Xorex Corrugated Segment 0.7/50

Type

Corrugated Steel Fibers

Aspect Ratio (L/d)

53.20



Experts in Fibers Reinforced Concrete

**EGYPTIAN  
EUROPEAN**



E-SF

Steel Fiber®



# Product Data Sheet

## EESF® Xorex Corrugated Segment Steel Fiber 0.7/50



### Product Description

EESF® Xorex Corrugated Segment 0.7/50 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.

### 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

### 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

### Specification Compliance

EESF ® Xorex Corrugated Segment Steel Fiber is manufactured according to AISI 1008-1010 standards, ASTM A820

### Dosage

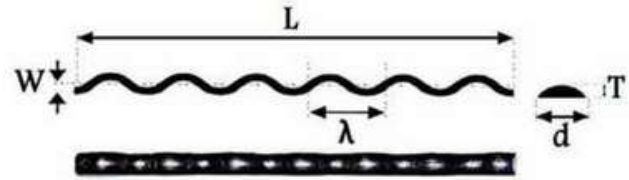
Recommended Dosage 10 : 36 kg/m<sup>3</sup> according to aci  
Add directly to the concrete mix while being mixed either at the batch plant or the truck mixer.

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.



Corrugated Segment Cross section

### Product Data

Width (d)	2 mm ± 0.1 mm
Thickness (T)	0.7 mm ± 0.1mm
Length (L)	50 mm ± 3 mm
Wave Depth (W)	2.0 mm ± 0.2 mm
Wave Length (A )	6.5 mm ± 0.5 mm
Density	7,870 kg / m <sup>3</sup>
Melting point	1,480°C
Tensile Strength	1480N/mm <sup>2</sup>
Aspect Ratio(L/d <sub>eff</sub> )	53

### 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%





# 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)



*Ezzat Nabik*  
Director

TEAM QUALITY MANAGEMENT SYSTEMS

Abass Alaquad St Al Yousra Building. Office No 9- Sadat City, Egypt  
Ph: +20 48 2677 103 Mobile: +20 100 3888626 -+20 1000547672 - +20 1099337474  
website: [www.tq.com.eg](http://www.tq.com.eg) E-mail: [info@tq.com.eg](mailto:info@tq.com.eg)  
Accreditation by EGAC Kornish El-Maadi, Riad El-Maadi Tower 1 - Cairo - Egypt





# 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, 1st Settlement New Cairo, Cairo – Egypt.

Has been found to be of the Quality Management System Standard

## ISO 9001:2015 (Quality Management System)

This certificate is valid for the following product or service range

Manufacture of Steel Fiber for Ready- Mix Concrete

Certificate No. : TQQ24100603

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)



*Ezzat Nabik*  
Director

TEAM QUALITY MANAGEMENT SYSTEMS

Abass Alaquad St Al Yousra Building, Office No 9, Sadat City, Egypt

Ph: +20 48 2677 103 Mobile: +20 100 3888626 - +20 1000547672 - +20 1099337474  
website: [www.tq.com.eg](http://www.tq.com.eg) E-mail: [info@tq.com.eg](mailto:info@tq.com.eg)

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



# 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 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

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)



*Ezzat Nabik*  
Director

TEAM QUALITY MANAGEMENT SYSTEMS

Abass Alaquad St Al Yousra Building. Office No 9. Sadat City, Egypt

Ph: +20 48 2677 103 Mobile: +20 100 3888626 -+20 1000547672 - +20 1099337474  
website: [www.tq.com.eg](http://www.tq.com.eg) E-mail: [info@tq.com.eg](mailto:info@tq.com.eg)

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



Experts in Fibers Reinforced Concrete

**EGYPTIAN**  
**EUROPEAN**  
**EESF**  
*Steel Fiber®*



## Applications



More of  
**FIBER**  
products



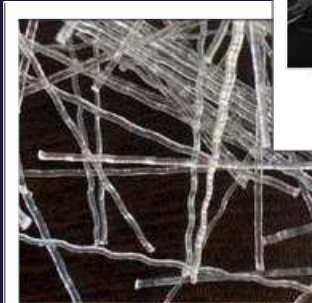
جلاس فايبر @EESF  
**Glass Fiber**



بولي تويست فايبر @EESF  
**POLYTWIST FIBER**



بولي بروبيلين فايبر @EESF  
**POLYPROPYLENE FIBER**



بولي ماكرو فايبر -48 PM @EESF  
**POLY MACRO PM-48 FIBER**

(+202) 230 623 06  
(+20) 101 5101 101  
(+20) 101 2526 241  
info@eesf-fiber.com  
www.eesf-fiber.com

