

Product	Xorex Corrugated Segment
Type	0.7/50 , 0.7/35
Aspect Ratio	71.4





Technical 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

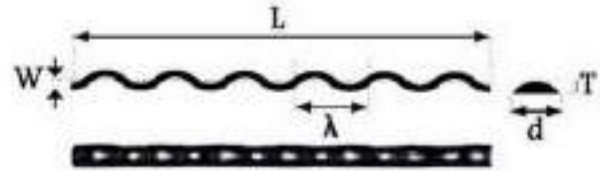
Recommended Dosage 10 : 36 kg/m³ according to aci
Add directly to the concrete mix while being mixed either at the batch plant or the truck mixer.

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.



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 ³
Melting point	1,480°C
Tensile Strength	1585 N/mm ²
Aspect Ratio(L/deff)	71.4

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 or contact at- 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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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)

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ISO 14001:2015
(Environmental Management System)

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