

Product

Glass Fiber

Type

Type (E)

Diameter

13 Microns

Technical Data Sheet

EESF® Glass Fiber Type (E)



Product Description

EESF® Glass Fiber(E) is a monofilament Glass fibers chopped from type E of glass. The fibers are coated with Silane based to sizing improve initial dispersion and bond.

The fibers are extremely fine, single filaments, measuring 13 microns in diameter, cut to lengths of 6, 12, 18 and 24 mm, in accordance with maximum aggregate size considerations and surface appearance requirements.

Advantages

- Reduced Plastic Shrinkage Cracks.
- Low static and low fuzz .
- Fast and good dispersion in resins.
- Good processing and excellent mechanical properties.
- Alternative to Crack Control Mesh.
- Reduced Water & Chemical Permeability.
- Low Viscosity and excellent flowability of the paste.
- Increased Abrasion Properties.
- Increased Impact Resistance.
- Improved Durability.

Usage

Egyptian European (GF®) are used in the following applications:

- Internal Floor Slabs
- Water Retaining Structures
- Concrete Buildings
- Repair Materials
- External Hard Standings
- Pattern Imprinted Concrete
- Bridges
- Precast & Extruded Concrete
- Agricultural Areas
- Piling Concrete
- Shotcrete/Gunite

Product Data

Base	Glass Fiber
Colour	Natural
Design	Monofilament Fiber
Length	6, 12, 18 and 24 mm
Diameter	13 ± 10% micron nominal

Dosage

- For industrial floors: 0.9 kg / m3
- For paints: 0.6 - 0.9 kg/m3
- For ready-mixed concrete units: 0.9 - 2.7 kg / m3
- For the mixture used with concrete screed: 2.7 kg / m3
- With resin mixtures (epoxy - polyurethane): 0.5 - 1% of the weight of the epoxy materials.

Packing

0.9 Kg of fibers is packed in either plastic bags, where one bag of fibers is the required amount of product for one cubic meter of concrete.

Bagged fibers are placed in boxes for ease of handling. Fibers can also be ordered in bulk quantities and packed in bag of 12.5 - 20 Kg.



Speciation Compliance

EESF® Glass Fiber

is manufactured according to to EN ISO 9001 standards and has full British Board



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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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)

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Manufacture of Steel Fiber for Ready- Mix Concrete

Certificate No. : TQQ24100603

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ISO 14001:2015

(Environmental Management System)

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