TECHNICAL DATA SHEET

FLOREY® Monofilament Steel Fiber

Monofilament Steel Fiber

Fiber for Concrete and Mortar Reinforcement

Supplier: Luoyang Florey Import and Export Co., Ltd.

Website: www.floreyconcrete.com

Product Description

Monofilament steel fibers are made by cold drawing high-strength steel wires and processed into 0.5-1.0mm steel wires using cold drawing methods.

Applications

1. Heavy-duty floors and airport runways: Enhances wear resistance, crack control, and impact resistance.
2. Bridge pavements and pier reinforcement: Improves structural strength and durability.

Product Specification

Item	Specification
End-Hooked Monofilament / Length	20-60 mm
End-Hooked Monofilament / Diameter	0.5-1.0 mm
End-Hooked Monofilament / Tensile strength	≥1100 MPa
Corrugated Monofilament / Length	25-50 mm
Corrugated Monofilament / Diameter	0.5-1.0 mm
Corrugated Monofilament / Tensile strength	≥1100 MPa
Straight Monofilament / Length	20-60 mm
Straight Monofilament / Diameter	0.5-1.0 mm
Straight Monofilament / Tensile strength	≥1100 MPa

Guidelines for Use

• Heavy-duty floors (C30–C40): Hooked/wave fibers 30–50 kg/m³; focused on wear resistance and crack control, suitable for factories and logistics warehouses.
• Airport runways (C40–C50): Hooked fibers 40–60 kg/m³, wave fibers 35–50 kg/m³; enhance impact and fatigue resistance, suitable for main runways and aprons.
• Bridge pavements (C40–C50): Hooked fibers 30–50 kg/m³, wave fibers 30–45 kg/m³; improve shear resistance and durability. Box/T-girders (C50+): Hooked fibers 50–80 kg/m³, wave fibers 45–70 kg/m³; enhance load-bearing capacity and crack resistance.
• Pavement / component repair (C30–C40): Hooked fibers 30–40 kg/m³, wave fibers 25–35 kg/m³; for rapid strength gain and crack control. Confirm fiber selection and dosage through project-specific mix trials.

Henan Fuluorui New Materials Co., Ltd.
Luoyang Florey Import and Export Co.,Ltd
https://www.floreyconcrete.com
ROOM 01, BUILDING 8, JUNHE YUNGU, SOUTHEAST CORNER OF THE INTERSECTION OF GUANGWU AVENUE AND LANTAI ROAD, YIBIN DISTRICT, LUOYANG CITY, HENAN PROVINCE 471000 Tel: +86 0379-68883868 Fax: +86 0379-68883868
TEL: +86 13783184240 E-mail: lucylu@floreyconcrete.com