TECHNICAL DATA SHEET

FLOREY® Stainless Steel Fiber

Stainless Steel Fiber

Fiber for Concrete and Mortar Reinforcement

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

Website: www.floreyconcrete.com

Product Description

Stainless steel fibre supplied in hooked, corrugated and straight forms for reinforcement applications.

Applications

1. Marine / chemical concrete components: Corrosion- and crack-resistant, suitable for docks, wastewater tanks, and anti-corrosion floors.
2. Bridge pavements / tunnel linings: Improves shear and fatigue resistance, suitable for C40–C50 concrete.
3. Metallurgical / power plant high-temperature linings: Enhances refractory concrete performance, suitable for high-temperature conditions.

Product Specification

Item	Specification
Stainless Steel End-Hooked / Length	13-40 mm
Stainless Steel End-Hooked / Diameter	0.2-0.7 mm
Stainless Steel End-Hooked / Tensile strength	≥2100 MPa
Stainless Steel Corrugated / Length	13-40 mm
Stainless Steel Corrugated / Diameter	0.2-0.7 mm
Stainless Steel Corrugated / Tensile strength	≥2100 MPa
Stainless Steel Straight / Length	6-25 mm
Stainless Steel Straight / Diameter	0.2-0.7 mm
Stainless Steel Straight / Tensile strength	≥2100 MPa

Guidelines for Use

• General anti-corrosion floors (C30–C40): Waved fibers 25–35 kg/m³, hooked fibers 25–35 kg/m³, straight fibers 20–30 kg/m³; prioritize corrosion and crack resistance.
• Bridge pavements / marine components (C40–C50): Waved fibers 35–50 kg/m³, hooked fibers 35–50 kg/m³, straight fibers 30–40 kg/m³; enhance shear strength and durability.
• Heavy-duty floors / airport runways (C40–C50): Waved fibers 40–60 kg/m³, hooked fibers 40–60 kg/m³, straight fibers 35–50 kg/m³; strengthen impact and fatigue resistance.
• Metallurgical / refractory concrete (high-temperature linings): Waved fibers 50–80 kg/m³, hooked fibers 50–90 kg/m³, straight fibers 45–70 kg/m³; improve thermal shock and erosion resistance. 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