TECHNICAL DATA SHEET

FLOREY® Alkali Resistant Glass Fiber

Alkali Resistant Glass Fiber

Fiber for Concrete and Mortar Reinforcement

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

Website: www.floreyconcrete.com

Product Description

Alkali-resistant chopped glass fibre for reinforcement of concrete, mortar and GRC components.

Applications

1. Building materials: Reinforcement of GRC components, mortar, and concrete to improve crack resistance and durability.
2. Road and transportation: Asphalt pavement reinforcement to enhance rutting resistance and low-temperature crack performance.
3. Industrial corrosion protection: Chemical storage tanks and flue linings, improving alkali resistance and corrosion durability.
4. New energy applications: Wind turbine blades and photovoltaic components, enhancing strength and weather resistance.

Product Specification

Item	Specification
Available lengths	3, 6, 9, 12, 18 mm
Filament diameter (ISO 1888:2006)	14 μm

Guidelines for Use

• Cement mortar: 1.5–3.0 kg/m³, suitable for crack control and impermeability applications.
• Ordinary concrete: 2.0–4.0 kg/m³, enhancing crack resistance and durability.
• Asphalt mixture: 4.0–6.0 kg/ton (approximately 0.4%–0.6% by mass), improving rutting resistance.
• GRC components: For spray application, 30–50 kg/m³; for premixed application, 20–30 kg/m³. Confirm fiber selection and dosage through project-specific mix trials.

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