



SS-SF Steel Fiber for Concrete

SS-SF Steel Fiber is designed to enhance tensile strength, toughness, and crack resistance of concrete. It provides strong bonding with concrete and improves impact resistance and fatigue performance.

The fiber reinforcement transforms brittle concrete into a ductile composite material, making it suitable for heavy-duty structural applications.

Benefits

- Enhances load-bearing performance
- Reduces shrinkage and structural cracking
- Increases toughness under dynamic loads
- Suitable for heavy-duty structural use

Specifications

Type	Tensile Strength
Hooked Steel Fiber	>1000 MPa
Corrugated Steel Fiber	>1000 MPa
Shear Steel Fiber	>600 MPa

Applications

- Construction
- Road pavements
- Bridges
- Tunnels
- Airport runways
- Hydraulic engineering
- Port engineering
- Military engineering, etc.

Dosage

Cement grade ≥ 42.5 , water-cement ratio ≤ 0.5 .

Max coarse aggregate size $\leq 2/3$ of steel fiber length.

Steel fiber volume fraction $\geq 0.5\%$, generally 0.5%–2%.

No seawater/sea sand; chloride salts strictly prohibited.

Consistency with reference to ordinary concrete; slump 20 mm less, Vebe consistency the same.

For flat-joint SFRC cushion-surface layer without lime-soil subbase: if original thickness ≤ 13 mm & subbase > cushion thickness, thickness may be reduced by 0.75, but ≥ 50 mm.

Or contact the technical support at info@yschempro.com.

Packaging

According to customer requirements.

Storage and Shelf Life

Protect from moisture, acids, and alkalis.

Represented information is based on our current experience. In case of various factors affecting the result, information does not mean legal responsibility. For additional information, please contact us.



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