



● Applications



Flooring reinforcement



Precast reinforcement

● Description



Loose

Fibers are supplied loose. As aspect ratio is lower than 50, fibers can be mixed easily.



Hooked-ends

Hooked-ends ensure high anchoring around the concrete aggregate.



Aspect ratio

Aspect ratio means ratio of length to diameter.



Length of steel fiber

Length of fiber should be min 2 times the maximum aggregate size.

● How to dose



Manually adding degradable bags
Automatic dosing machine

How to input into mixer

By using conveyor belt or by pouring in by hand

● Performance

Overall performance depends on dosage. Please check performance data when designing.

Flexural tensile strength $f_{u,fl}$

$$f_{u,fl} = 0.4 \times (f_c)^{2/3}$$

f_c ; cylindrical compressive strength

N/mm²

Equivalent flexural strength is tested by JSCE SF4 for 3mm deflection.

Equivalent flexural toughness ratio $Re,3$

$Re,3$ = Equivalent flexural strength / flexural strength X 100

Dosage kg/m ³	15	20	25	30	35	40
$Re,3$	-	-	48	56	65	76

Tensile strength after cracking

$$f_t = 0.37 \times \text{equivalent flexural strength}$$

● Tensile strength



Average 1063.1 MPa (N/mm²)

● Fiber quantity & length



Approximately 3,000 ~ 3,300 pieces / kg



Approximate Fiber length per kilo : 162m / kg

● Approvals



ISO 9001
ISO 14001



Complies with
ASTM A 820



Certified for
CE system

● Recommendation for Storage



Keep material dry



Do not stack pallets

● Packing



20 kg degradable bag



1000 kg bulk bag

※ All details on this data sheet are for general information only.