HENDIX PRIME 75/52 HENDIX™ Solutions
HOOKED END STEEL FIBER

EN 14889-1:2006; STO 71915393-TU 106-2011

DESCRIPTION

Steel wire fiber Hendix Prime 75/52 with hooked ends, randomly distributed in the concrete can reduce or even replace traditional rebar and welded mesh reinforcement. It can be applied both in standard applications of steel fiber reinforced concrete, and in load bearing concrete structures (foundations, walls, ceiling slabs, pile supported floors, bridge constructions, reinforced concrete constructions).

FIBER DIMENSIONS AND MECHANICAL PROPERTIES

Fiber diameter, mm	Fiber length, mm	Hooked ends length, mm	Hook height, mm	Bend angle	Tensile strength, MPa	Modulus of elasticity, MPa
0.75 ± 0.04	52 ± 2.0	2.0-1.0/+2.0	2.1+0.5/-0.0	40°±5°	1500	≥ 190000

ADVANTAGES

Hendix Prime 75/52 fiber has an improved length/diameter ratio, a big amount of fiber per kg and consequently a good saturation of fiber in the concrete matrix and increased tensile strength for high performance.

RECOMMENDED SCOPE OF APPLICATION

- All types of industrial floors (cut joint, jointless, pile supported, screeds).
- Load bearing constructions (foundation rafts, elevated slabs supported by columns and/or walls).
- Roads, reinforced concrete constructions, strip and single foundations.

PACKAGING

- Corrugated cardboard boxes 25 kg. Fibers in the box are oriented in the same direction for easy dosing.
- Big Bags - 600 kg.

CERTIFICATION

- Russian Certificate of Conformity according to GOST P No. РОСС RU.АЯ64.Н05417.
- European Certificate of Compliance with the Requirements of EN 14889-1:2006 No. 1397-CPD-0386.

TECHNICAL STANDARD DOCUMENTATION

- EN 1992-1-1 Design of Concrete Structures. – Part 1-1: General Rules and Rules for Buildings.
- DIN EN 1045-1 Concrete Reinforced and Prestressed Concrete Structures. – Part 1: Design and Construction.
- DAfStb Directive “Steel Fiber Reinforced Concrete” 11/2012 (as a supplement to DIN EN 1992-1-1, DIN EN 206-1, DIN 1045-2, DIN EN 13670, DIN 1045-3 for concrete structures).
- TR34 Concrete Industrial Ground Floors. A Guide to Design and Construction. (UK Concrete Society CS).
- TR550 Industrial Floors Design (UK Concrete Society CS).