

Shieldfiber UHPC20

Steel Fibers



MICSHIELD®

Description

Shieldfiber UHPC20 is a Steel Fiber designed for Ultra High-Performance Concrete (UHPC).

Geometry

Length (l)	20 mm
Diameter (d)	0.20 mm
Aspect Ratio	10 (l/d)

Typical Properties

Base Material	Bright, High Carbon wire
Nominal tensile strength	3.050 N/mm ²
Young's modulus	200.000 N/mm ²
Fiber Volume Content	202.487 fibers/kg
Fiber Network	607.461 m/m ³ at 150 kg/m ³

Dosage

Dosages of 1.5 – 3 vol.% steel fibers allow UHPC to develop a strain-hardening response.

Packaging

Shieldfiber UHPC20 is supplied in 20 kg bags. .

Shelf Life and Storage

Shieldfiber UHPC20 has a shelf life of 12 months when stored in its original unopened packaging in dry conditions.

Shelf life may be reduced if the recommended storage conditions changed.

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