

Shieldfibre UHPC13

Steel Fibres



MICSHIELD®

Description

Shieldfibre UHPC13 is a Steel fibre designed for Ultra High-Performance Concrete (UHPC).

Geometry

Length (l)	13 mm
Diameter (d)	0.20 mm
Aspect Ratio	65 (l/d)

Typical Properties

Base Material	Bright, High Carbon wire
Nominal tensile strength	2.750 (N/mm ²)
Young's modulus	200.000 (N/mm ²)
Fibre Volume Content	311.518 fibres/kg
Fibre Network	242.984 m/m ³ at 60 kg/m ³

Uses

- Industrial and Commercial Floors, warehouses, factories, showrooms.
- Pavements and Runways.
- Precast Concrete Elements.
- Shotcrete and tunneling, underground tunnels, retaining walls, slope stabilization.
- Infrastructure applications.
- High Performance Concrete (UHPC).

Packaging

Shieldfibre UHPC13 is supplied in 20 kg bags. .

Shelf Life and Storage

Shieldfibre UHPC13 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.

Dosage

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

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