ONESHOT fiber

Macro structural fibers for shotcrete

ONESHOT fiber is a macro structural synthetic fiber designed to improve the durability and mechanical properties of concrete.

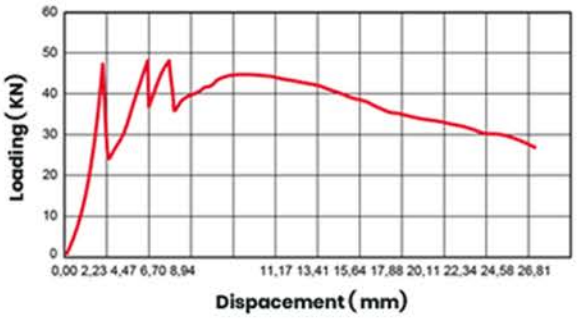
ONESHOT fiber is shown as an excellent alternative to steel fibers and metal networks, especially in shotcrete technology.

ONESHOT fiber can increase the toughness performance of shotcrete by increasing reinforcement opportunities for macro synthetic fibers in underground rock support.

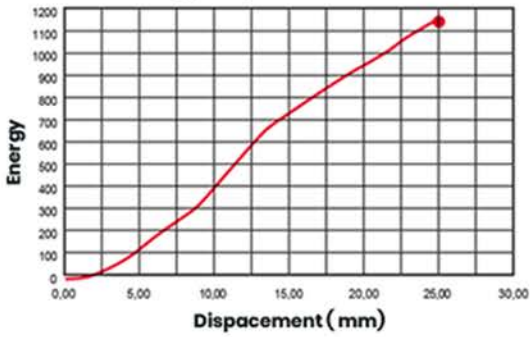
ONESHOT fiber has been used successfully in primary lining reinforcement in tunnels, in quality plates, final lining reinforcement and other underground applications.

ENERGY - DEFORMATION BEAM TEST, EFNARC EN 14488 STANDARD

Load displacement scheme



Energy displacement scheme



Dosage (Kg7m3)	Max. Load (KN)	Energy Absorption (j)
4	51	884
5,5	56	1.180

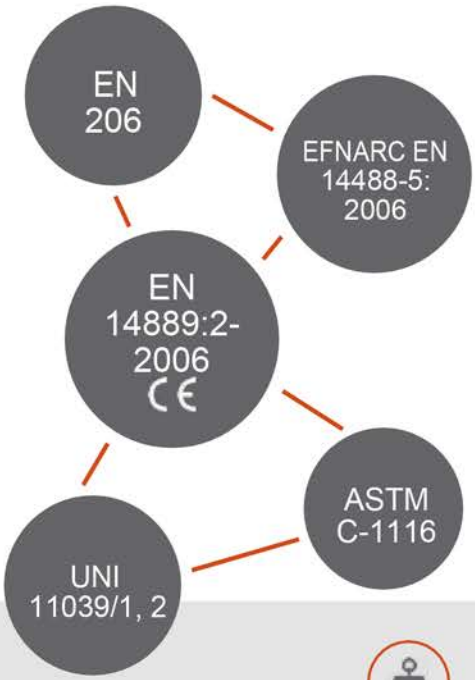
ONESHOT fiber

CHARACTERISTICS / MATERIAL FEATURE

CHARACTERISTICS	MATERIAL FEATURE
Material	Polyolefin compound
Length	55 mm
Diameter (min. Tolerable +/- 5%) 0.80 mm Tensile	560 Mpa
strength	7.5 Gpa
Elastic modulus	0.91
Specific weight	>155°-165°C
Melting point	No
Water absorption	

- Steel-like bending strength
- Up to 50% price compared to traditional steel meshes discount
- Lowest m³ FRC cost
- Low mass, transport, storage, transportation and easy to use
- With excellent miscibility and pumpability uniform and homogeneous distribution
- Does not cause corrosion, low tendency to decompose.
- Significantly lower carbon footprint
- It does not spark
- Less concrete pump and hose wear
- Kickback less than 5%
- The integrity of the tunnel waterproofing membrane
- No fragility
- Anti-pollution effect in case of fire

STANDART COMPLIANCE



ONESHOT fiber AND APPLICATION BENEFIT

STANDARD 6KG BAG

WATERPROOF PALET

FIBER PACKAGING

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