

Ozone Belgian Fiber

Multifilament fibers for concrete crack and fire control science for a better concrete

Description Polypropylene concrete fibers from Ozone Belgian Fibers Manufacturing have been developed for optimum performance in a wide range of construction applications. From road and tunnel construction to sewage and other constructions. Whatever the application, Ozone Belgian Fibers is always ready to offer the appropriate mix of PP fibers that you need. Our PP fibers prevent crack formation and result in better and more durable concrete. The addition of synthetic (PP) fibers affect the plastic and/or hardened properties of concrete.

- Primary Applications**
- Road
 - Flooring
 - Shotcrete
 - Segmental lining
 - Precast products
 - Print concrete
 - Tubes
 - Screeds
 - Pavements
 - Sewer pipes
 - High way safety barriers
 - Polished architectural panels
 - Stucco Products and rendering

- Advantages**
- PP fibers in fresh concrete
- Reduce cracks in early-age concrete
 - Reduce segregation and improves mix cohesiveness
 - Improve early age compressive strength
 - Reduce Bleeding
- PP fibers in hardened concrete
- Improve impact and abrasion resistance
 - Better resist freeze/thaw cycles
 - Improve water migration
 - Are less subject to transport damage
 - Improve Fire Resistance
- General advantages of PP fibers
- Make concrete last longer & reduce surface dusting
 - Save time – save costs
 - Reduce shotcrete rebound
 - Reduce concrete waste
 - Resist corrosion – alkali resistance

Properties	Length(mm)	6	12	18	20
	Material	Polymerized – Olefin			
	Density	0.910 g/l			
	Melting Point	160°C -170°C			
	Color	White			
	Tensile Strength	Strech-enhaced to :300-400N/mm ²			
	Chemical Resistance	Excellent- especially in alkaline conditions			

Packaging Bulk big bags 400 kg and 25 kg bags

Storage Store in a dry and cool place below 35°C. Protect from direct sunlight.

Shelf life 12 months if stored in original unopened packaging

Dosage

Crack control	600-900g/m ³
Fire resistance	1-3Kg/m ³

Other addition upon local prescriptions

Compatibility Ozone Belgian Fiber is compatible with all concrete admixtures.

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