



# Belmix®

## **SPECIFICATION CLAUSE**

Belmix®-F is a 100% virgin fibrillated polypropylene fibers are designed to reduce shrinkage cracks occurring in concrete and to improve better fire resistance to the structure. Belmix®-F Micro fibers are specially engineered and manufactured in an ISO 9001 certified manufacturing facility for use in concrete. ***Belmix®-F fibers are in compliance with ASTM C 1116, IRC:SP:46-2013, MoRTH Standard Specifications.***

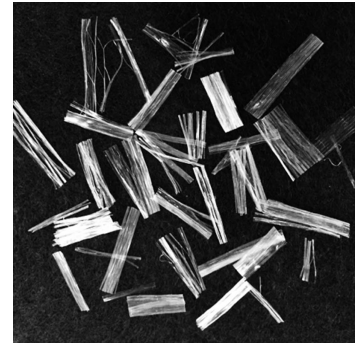
## **FEATURES & BENEFITS**

### **In Fresh Concrete:-**

- Reduce Cracks in Early-Age Concrete
- Reduce Segregation and improve mix cohesiveness
- Reduce Bleeding

### **In Hardened Concrete:-**

- Improve Fire Resistance
- Improve Freeze/Thaw Cycle Resistance
- Improve Abrasion Resistance
- Resists Corrosion & Alkali Resistant
- Reduce shotcrete Rebound
- Makes Concrete Long Lasting & Reduces Surface Dusting



## **APPLICATION AREAS:-**

- Concrete Pavements
- Cement concrete roads, Bridge Deck, Air field runway, Tunnels
- Pre Cast Engineering Industries
- External & Internal Plasters

## **DOSAGE:**

**Concrete:** 0.9 -1.5 Kg per cum of concrete

**Plasters:** 90gms per bag of cement (12mm length fibers in 1<sup>st</sup> coat & 6mm length fibers in 2<sup>nd</sup> coat)



**TECHNICAL PROPERTIES:**

Material	Polymerized - olefin
Density	0.910 gm/cm <sup>3</sup>
Length	6mm,12mm,18mm* Flexible production based on client requirements
Diameter	35-50μ
Elongation	200%
Young Modulus	4000 Mpa
Tenacity	30-48 cn/tex
Quality Assurance	ISO & CE Certified
Melting Point	185°C
Fire resistance	Belmix Fibers will effectively work on reducing the spalling at fire incidents which saves human lives and reduces repair costs drastically. To get better fire resistance, we recommend to go with a higher dosage of 1.5 kg to 2.0 kg per m <sup>3</sup> of concrete.

**QUALITY CERTIFICATIONS:**

