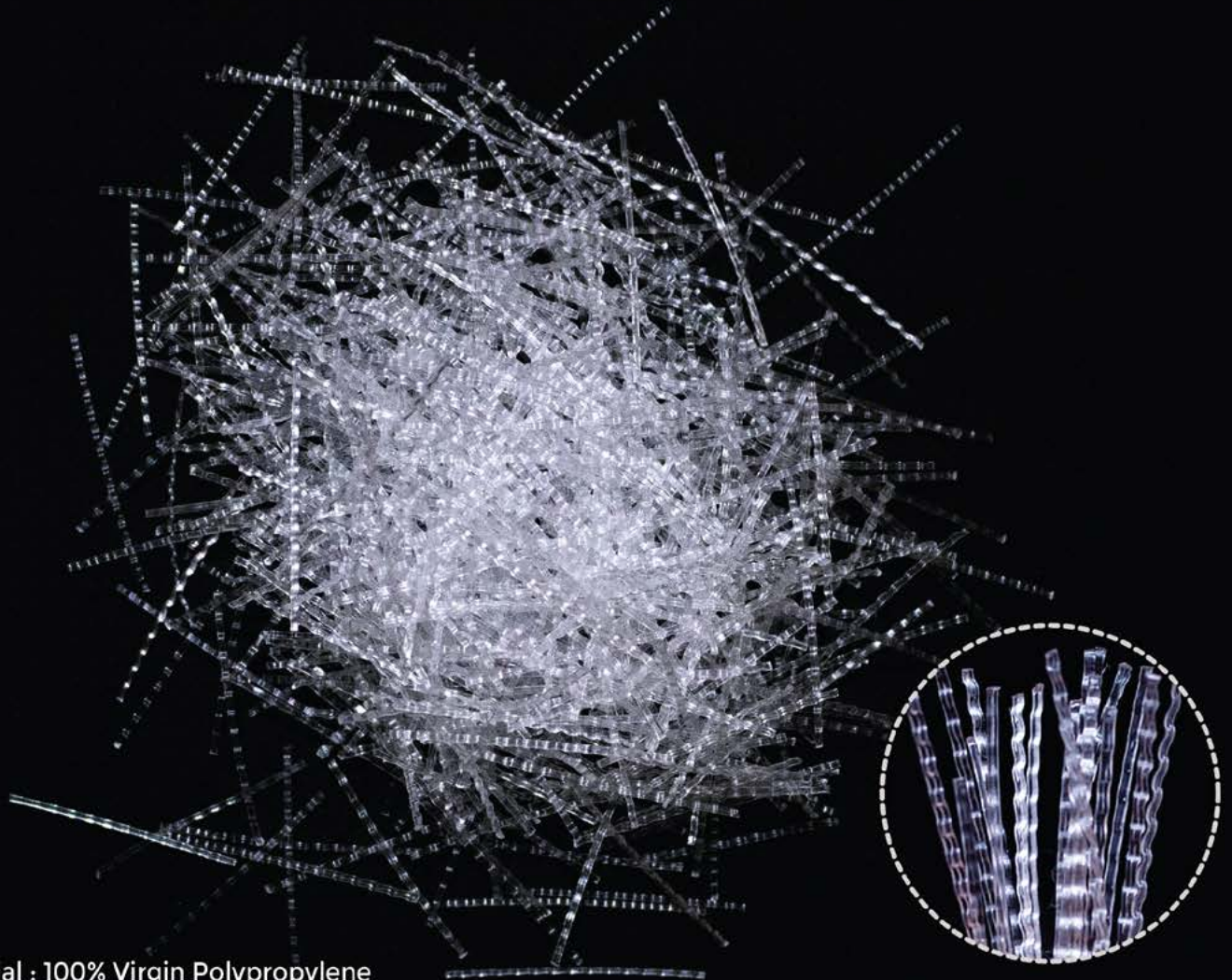




"NEO FIBERS FOR NEXT GENERATION CONCRETE"

FIBERCRETE - WF (Waved Macro Fiber)



Fiber Material : 100% Virgin Polypropylene

Compliance:

- a) ASTM C 1116 (Standard Specification for Fiber Reinforced Concrete)
- b) IRC : SP : 46-2013, MORTH (Design and Construction of Fiber Reinforced Concrete Pavements)

Approvals:

- a) CIPET, Mysore and Hyderabad
- b) Stedrant Technoclinic Pvt Ltd. (NABL Accredited Laboratory), Bangalore



FIBERCRETE WF is a Waved Macro Fiber for concrete reinforcement that complies with standard specifications for Fiber Reinforced Concrete and Shotcrete etc, and is specifically designed to help mitigate the formation of shrinkage cracking in concrete. Typically used at a dosage rate of 4kg/m³. FIBERCRETE WF has been shown to greatly reduce shrinkage cracking by as much as 88% when compared to plain concrete.

FEATURES/BENEFITS

- Controls and mitigates plastic shrinkage cracking
- Wave form for Engineered cross linking in concrete
- Provides three-dimensional reinforcement against micro-cracking
- Used along with FIBERCRETE FE for steel substitution
- Reduction of in-place cost versus wire mesh for temperature / shrinkage crack control
- Easily added to concrete mixture at any time prior to mixing
- Cost Effective alternate to Steel Reinforcement.

PRIMARY APPLICATIONS

- Floor for Industrial, Commercial and primary reinforcement applications
- Footings, Foundations, PQC, Canals, Tunnels, Shot Crete.
- Vault structures, Parking Area, Pavers and other areas where steel cannot be used

TECHNICAL INFORMATION

TYPICAL ENGINEERING DATA

Material	Polypropylene
Colour	Natural
Specific Gravity	0.91
Melting Point	165 °C
Diameter / Thickness	0.89 mm
Available Lengths	35mm, 48mm (Other lengths upon request)
Tensile Strength	600 MPa
Young's Modulus	5 GPa
Aspect Ratio	> 40
Electrical Conductivity	Low
Acid and Alkali Resistance	Excellent
Corrosion Resistance	Very High
Water Absorption	Nil
Dosage	4 Kg per Cubic Meter of Concrete

CONCRETE LABORATORY TEST RESULTS (AS PER IS 516-1959 STANDARDS)

Grade of Concrete (FRC)	M25
Compressive Strength	51.0 N/mm ²
Flexural Strength	6.5 N/mm ²

PACKAGING

Fibercrete WF is packed in 4 kg bags.

SHELF LIFE

3 years in original, unopened packaging & stored in cool dry covered area.

DIRECTIONS FOR USE

Fibercrete WF can be added to the concrete mixture at any time prior to placement of the concrete. It is generally recommended to add any fiber material at the ready-mix concrete plant during batching. Fibers must be mixed with concrete for a minimum of three (3) minutes at maximum mixing speed to ensure complete dispersion and uniformity. Dosage of usually 4 Kg per cubic meter of concrete.

OTHER SPECIFICATIONS CAN BE DONE UPON REQUEST.



Mfd By:

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