

FIBERCRETE

Concrete with High Flexural Strength



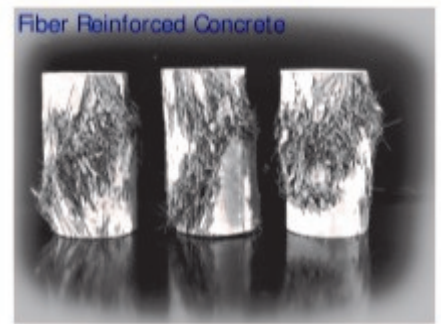
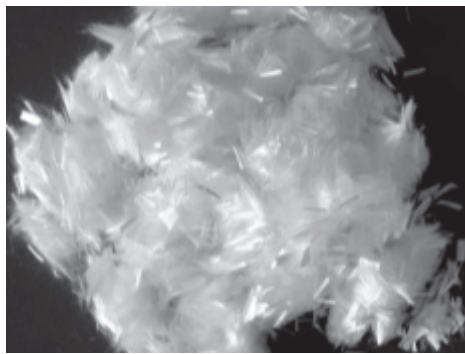
Concrete that takes a lot of "Tension"

FibreCrete is a concrete mix with steel / synthetic fibers, and special concrete additives to enhance the flexural strength and other important mechanical properties of concrete

For ordinary pavements to Machine foundations to tunnel Linings, FiberCrete is available to meet your specific requirements

MORE ABOUT FIBERCRETE

FIBERCRETE



FiberCrete contains micro fibers for added tensile strength, better binding ability, resistance to cracking & abrasion

Depending on the size & type of fiber used, FiberCrete offers numerous additional benefits than conventional concrete.

The fibers work as small threads / micro-reinforcement tying up the concrete particles, This reduces the cracking caused and also increases the tensile strength of concrete

FiberCrete offers much higher flexural strength than conventional concrete

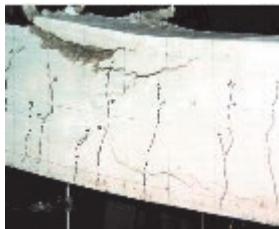
FiberCrete also gives protection from explosive spalling incase of fire and helps maintain the structural integrity.

The fibers used in concrete have high tensile strength and elongation properties. The effective bonding of these fibers with concrete ensures increase on the tensile strength of concrete.

MAJOR BENEFITS & APPLICATIONS

Benefits / Advantages

- ▶ Significantly Reduced Cracking
- ▶ Higher resistance to Creep
- ▶ Higher Flexural Strength
- ▶ Higher abrasion resistance
- ▶ Reduced water bleed and Improved Cohesiveness
- ▶ Economical Designs
- ▶ Better Design Life
- ▶ Lower maintenance cost
- ▶ Optimum & cost effective usage of resources and materials



FiberCrete can be recommended for all types of pavement work, Girders, Piers where higher flexural strength of concrete is desired.

FiberCrete has higher resistance to creep, making it suitable for use for machine foundations

FiberCrete also offers **Resistance to creep** against Freeze-Thaw action. FiberCrete offers better designed life when compared to conventional concrete when applied with cyclic loading. Fiber based concrete is routinely used for industrial floors and machine foundations.

Applications

- ▶ Runways, Pavement & Drive-ways
- ▶ Industrial Floors
- ▶ Machine foundations
- ▶ Water retaining structures
- ▶ Bridges
- ▶ Pipes & Thin elements
- ▶ Precast elements

Mechanical Properties

Strength Class (Comp)	As per requirement
Strength Class (Flexural)	Upto 10 MPa
Fresh Wet Density*	Based on Properties of constituent materials
Workability	Pump-able Slump
Workability Retention	Up to 3 Hrs from Batching time
Curing Required	Yes
Compaction Required	Yes

* - Plastic Density measured at 30 min from batching time
 Technical details shall be advised on request.

Special Precautions

- ▶ Ensure Proper, Early & Uniform Curing
- ▶ Ensure late finishing of concrete.
- ▶ Do not Subject the concrete to vibrations at early age.

About Us

RDC Concrete (I) Pvt. Ltd. is the Largest Non Cement owned Readymixed producer operating In India, operating 25 plants and having its presence in all major Urban Centers across the country.

Since our Inception in 1993, in Mumbai & Delhi by name of Unitech Pre-fab Ltd, we have constantly created new benchmarks for the Industry by providing Innovative & Consistent Quality Products.

With stringent integrated processes and state of the art control software and hardware, combined with competent Pre & Post Sales support, RDC Concrete is a total solutions provider.

Our Other Special Concrete Solutions

DuroCrete	Extended Durability Concrete
FiberCrete	Fiber Reinforced Concrete
ImpriCrete	Decorative Concrete
LiteCrete	Light Weight Concrete
NatureCrete	Pervious Concrete
ProCrete	Workability Retaining Concrete
SelfCrete	Cohesive Flowable Concrete
SelfCrete+	Self Compacting Concrete
StrongCrete	Ultra High Strength Concrete
TempCrete	Temperature Controlled Concrete
WatCrete	Water Proofing Concrete

Safety Information :

Cement & concrete contain lime and other chemicals which can cause irritation, dermatitis & burning. To avoid harm to skin, minimize contact and wear suitable protective clothing. Whenever contact occurs, wash thoroughly. In case of irritation or burns, consult a doctor immediately.



Our Presence


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Mumbai	+91 9619987576
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Kolkata	+91 9903250100
Hyderabad	+91 9948028999
Vishakhapatnam	+91 9640699777
Bangalore	+ 91 97399 93577
Mangalore	+ 91 9739993570
Chennai	+ 91 9790954801
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LET US BE THE TOOL THAT TURNS YOUR DRAWINGS IN TO REALITY

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