

# FRCcrete™



Mix with the Best



Freedom from rapid  
wear & tear

FRCcrete™ is concrete containing fibrous material which increases its structural integrity. It contains short discrete fibres that are uniformly distributed and randomly oriented. Fibres include steel fibres, glass fibres and synthetic fibres– each of which lend varying properties to the concrete.

#### 5 key advantages (steel fibres):

1. Reduced material and labour costs as steel reinforcement is not required for ground supported slabs.
2. Quicker construction, as with no rebar in the way, trucks can drive right up to the discharge point.
3. Superior durability with high flexural and fatigue strength. Offers excellent abrasion and impact resistance.
4. Reduced cracking due to random and even distribution of steel fibres.
5. May help in the reduction of slab thickness.



#### 5 key advantages (synthetic fibres):

1. Reduced plastic settlement and plastic shrinkage cracking.
2. Increased durability as it improves toughness, flexure, fatigue and abrasion resistance.
3. Increased homogeneity and reduced bleeding.
4. Improves rheology of fresh concrete thereby imparting better surface finish.
5. Reduces spalling of concrete in fire situations.

#### Applications:

- All building terrace slabs to mitigate plastic shrinkage cracking.
- Heavy traffic wearing surfaces such as warehouses, container yards, railway platforms etc.
- Concrete roads, beams and precast concrete girders which require additional flexural strength.
- Slab on grade: All types of concrete pavements, industrial floors, airport taxiways, hangers etc.



**RMC Readymix (India)**

(A Division of Prism Cement Limited)

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