

# Concast<sup>TM</sup> NOCRACK 6/12

*Fibrilliated Polypropylene Fibers (6mm, 12mm)*

**Product Description :** Synthetic fibers of modified polypropylene for use in fiber-reinforced concrete and mortars. Polypropylene fibers reduce the formation of plastic shrinkage cracks on concrete and increase the impact and shatter resistance. Synthetic fibers also increase abrasion resistance in concrete floors and reduce bleeding. Moreover, they improve the elasticity and cohesiveness of mortars and screeds during placing.

**Uses:**

- Pavements
- Industrial floors, slabs
- Precast concrete applications, Plaster works
- Airport apron and car park slabs
- Concrete which is subjected to impact load

**Features & Benefits :**

- Greater impact resistance of concrete
- Increased durability
- Improved surface quality
- Increases overall durability, fatigue resistance and flexural toughness
- Addition of fibers doesn't change the recipe of concrete
- Easily added to concrete mixture at any time prior to placement
- In case of fires, fibers sublimate with no volume increase or release of harmful gases
- Reduced bleeding in concrete

## Technical Specifications:

Material	: Modified Polypropylene
Colour	: White
Specific Gravity	: 0.91 g/cm <sup>3</sup>
Fiber Length	: 6mm, 12mm
Melt Point	: 160°C
Thermal Conductivity	: Low
Electrical Conductivity	: Low
Tensile Strength	: 300-400 N/mm <sup>2</sup>
Modulus of Elasticity	: 1.6 GPa

## Application Methodology :

Concast NOCRACK 6/12 can added directly to the concrete or mortar mixing system, while batching the ingredients.

**Shelf Life & Storages:** At least 5 years from production date, in closed packaging, stored in dry conditions, preferably in plastic sheet or wooden pallet in godown away from direct Sunlight.

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**Packaging:** Available in 600 grams, 900 grams pouches (Easily dispersible)

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**Value Base :**

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.



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