

# TECH-DRY Protekta Fabious

(Provides durability, reinforcement and increase in compressive strength by 15 to 20%)

## DESCRIPTION

Protekta Fabious is a special fiber developed after extensive research by our group. Protekta Fabious is formulated with multiple products like natural fibers, polymers, microspheres, polypropylene, clay materials, resins, and so many other additives which makes it safe and excellent product for providing reinforcement, durability, strength and compressive strength to the concrete.

Though this fiber is based on cellulose, it has been formulated in such a manner that unlike pure cellulose it increases the compressive strength by 10 to 15 % & flexible strength, avoid plastic shrinkage cracking and any other crack.

Protekta Fabious gives strong and durability and therefore strengthen reinforced concrete according to the acceptance criteria for use of cellulose in concrete

## PROPERTIES

- It is used as admixture
- Prevents shrinkage
- Prevents crack
- Reduces water permeability
- Increases flexibility
- It is environmental friendly and non-hazardous
- Increases compressive strength by 10 – 15%
- Reduces thermal cracks
- Excellent thermal crack resistance

## APPLICATION

- Plain concrete & wall plastering
- Footings, foundations, walls and tanks
- Pipes, burial vaults, pre-stressed beams etc.
- Manhole covers and tiles etc.,
- Roads and pavements
- Bridges and dams

## TECHNICAL DATA

Appearance : White powder  
Density : 730gm/cm<sup>3</sup>  
pH : 7.5± 1

**DOSAGE:** 0.3 to 0.5% of cement

**PACKING:** Available in 5, 10, and 25 kg bag.

**SHELF LIFE:** 6 months in a closed uncontaminated container and should be used before the use-by-date printed on the container. However if the product is passed its used-by-date it is not necessarily unusable. A quality control should be performed on the properties relevant to the application or otherwise contact the manufacturer for further advice

**STORAGE:** To be stored in closed containers in a cool place and prevent from extremes of heat.

**HEALTH & SAFETY:** Non-Hazardous, Non-toxic, Non-flammable

**NOTE: TRIALS should be conducted by the clients to suit their requirement**

**IMPORTANT NOTE**

Protekta products are non-hazardous when properly handled, stored and applied. When handling suitable protective clothing should be worn. The materials should not be ingested, inhaled or make skin contact. MSDS are available.

**WARRANTY:**

The information given in this data sheet is based on many years of experience and is correct to the best of our knowledge and should be used only as a guide. Tech Dry (India) Pvt Ltd reserves the right to alter certain product parameters within the spectrum of properties in order to keep abreast of technical advances. The information in this document is based on the present state of our knowledge and is applicable to the product. Tech Dry (India) Pvt Ltd is responsible for the quality of the product at the time of despatch but is not responsible for its quality after subsequent storage, handling and application. Neither Tech Dry (India) Pvt Ltd nor its associated companies shall be held liable for any damage resulting from the handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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