

## **POLYESTER RECRON 3S FIBERS AS SECONDARY REINFORCEMENT FROM RELIANCE INDUSTRIES LTD**

### **PLASTERING – External & Internal Plastering, Gunnite, Shotcrete**

#### **ADVANTAGES IN PLASTERING**

- Reduction in Dampness
- Check the Crack Propagation
- Reduction in Rebound Loss
- Reduction in Water Absorption and Penetration

#### **Recommended Dosage:**

Recron 3S Polyester Fibers

CT-2012 / 6 mm fibers / 125 grams Per Cement bag in 1:4 Cement / Sand Ratio

#### **Direction For Use:**

- Mix the Cement and Sand in appropriate proportions and make the Round pond.
- Put the Fibers in Clean Bucket of water and Stir it well until the fibers are opened in water.
- Immediately use the fiber mixed water and Sprinkle around the Round pond.  
(Twin Depot Method)
- Mix the water with mortar. Mix it thoroughly.
- Now the mortar is ready to use.

**Note:** Workmanship for plastering including scaffolding, surface preparation & Curing shall be as per relevant Indian Standard Specifications.

## BOQ

Sl no	Description	Unit	Rate ( Rs )	Amount
	<p>RECRON 3S FIBERS 6mm / 125 gms / CT-2012</p> <p>Providing &amp; Laying 12 mm &amp; 20 mm thick Cement mortar plastering for internal walls / external walls / ceiling in desired proportions like cement : sand ratio 1:3, 1:4, 1:6 etc.Using <b>Synthetic fibers 100% virgin triangular monofilament polyester Recron 3s fibers CT 2012 (6mm) for Plastering</b> manufactured by Reliance Industries Ltd, as secondary reinforcement. The minimum dosage of fibers shall be 125gms per 50kg bag of Cement.</p>	Per Pouch	Rs. 47.00	
	<p><b>SPECIFICATIONS:</b></p> <p><b>Cut Length</b> : 6mm</p> <p><b>Material</b> : 100 % Virgin Synthetic Fibers</p> <ul style="list-style-type: none"> <li>• Type III Fibers Under ASTM C 1116</li> <li>• 1S 456, 2000–Amendment III, August 2007</li> </ul> <p><b>Shape of the Fiber</b> : Special for Improved Holding of Cement &amp; Aggregates ( Multi lobal )</p> <p><b>Color</b> : Brilliant White</p> <p><b>Specific gravity</b> : 1.31 to 1.40</p> <p><b>Tensile Strength</b> : 4000 – 6000 kg / Sq. cm</p> <p><b>Melting Point</b> : 230--240 degree C</p> <p><b>Alkali Resistance</b> : Very Good</p> <ul style="list-style-type: none"> <li>• Conforms to the Test Procedure laid by ICBO AC 32</li> </ul>			

# **POLYESTER RECRON 3S FIBERS AS SECONDARY REINFORCEMENT FROM RELIANCE INDUSTRIES LTD**

**CONCRETING – Industrial Floors, Slabs, Beams, Drive Ways, Retaining Walls, Roof Slabs,  
Water Retaining Structures, Car Parking Slabs Etc.**

## **ADVANTAGES IN CONCRETE**

- Reduction in Shrinkage & Settlement Cracks
- Reduces Bleeding of Concrete
- Reduction in Surface water Absorption and Water Penetration
- Improves Flexural & Ductile Strength of Raft / Retaining Wall Concrete
- Improves Energy Absorption and Shock Load resistance
- Increases Abrasion / Impact and Wear Resistance of Floor

## **Recommended Dosage:**

### **DIRECTIONS FOR USE OF FIBERS IN SITE MIX CONCRETE:**

Recron 3S Polyester Fibers

CT-2024 / 12 mm fibers / 125 grams Per Cement bag in 1:4 Cement / Sand Ratio

- Take 5 – 10 Liters of Water in the Mixer not altering the W/C ratio specified
- Put the entire quantity of fibers inside the mixer while the drum is rotating
- Add all the other Ingredients and continue mixing till the entire material is dispersed.

### **DIRECTIONS FOR USE OF FIBERS IN READY MIX CONCRETE**

Recron 3S Polyester Fibers

CT-2424 / 12 mm fibers / 900 grams Per One Cubic Meter of Concrete

- The fibers can be either mixed at the batching Plant during the RMC mix as per the prescribed dosage of 900 gms for one cubic meter of concrete.
- Fibers can be mixed at the site when the RMC transit Mixer arrives at the site.
  1. At the site, Open the pouch and put the fibers as per the prescribed Dosage of 900 gms per one cubic meter of concrete
  2. For Example - Six Cubic meter of Concrete RMC transit put 6 pouches of 900 gms of fibers in to the transit mixer and increase the revolutions of the mixer for 5-10 minutes after adding the fibers. The fibers will be evenly dispersed within the concrete
  3. The Concrete mixed with fibers is ready for use.

## BOQ

Sl no	Description	Unit	Rate ( Rs )	Amount
	<p>RECRON 3S FIBERS 12mm / 125 gms / CT-2024 ( SMC )</p> <p>RECRON 3S FIBERS 12mm / 900 gms / CT-2424 ( RMC )</p> <p>Providing and Laying Cement Concrete of desired Grade as per IS 456-2000 (Code of practice for plain and reinforced concrete) with <b>Synthetic fibers 100% virgin triangular monofilament polyester Recron 3s fibers CT2024 (12mm) for site mix concrete and CT2424 (12mm) for Ready Mix Concrete</b> manufactured by Reliance Industries Ltd., as secondary reinforcement in Concrete Application. Minimum dosage of fibers shall be 900gms per Cubic meter of Concrete (125gms per 50kg bag of Cement).</p>	<p>Per Pouch</p> <p>Per Kgs</p>	<p>Rs. 47.00</p> <p>Rs. 376.00</p>	
	<p><b>SPECIFICATIONS:</b></p> <p><b>Cut Length</b> : 12mm</p> <p><b>Material</b> : 100 % Virgin Synthetic Fibers</p> <ul style="list-style-type: none"> <li>Type III Fibers Under ASTM C 1116</li> <li>1S 456, 2000–Amendment III, August 2007</li> </ul> <p><b>Shape of the Fiber</b> : Special for Improved Holding of Cement &amp; Aggregates ( Multi lobal )</p> <p><b>Color</b> : Brilliant White</p> <p><b>Specific gravity</b> : 1.31 to 1.40</p> <p><b>Tensile Strength</b> : 4000 – 6000 kg / Sq. cm</p> <p><b>Melting Point</b> : 230--240 degree C</p> <p><b>Alkali Resistance</b> : Very Good</p> <ul style="list-style-type: none"> <li>Conforms to the Test Procedure laid by ICBO AC 32</li> </ul>			