



**FIBER  
ROOFING**

South African Manufacturer & Exporter of Thatch Products



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## **Fibre Palm Indian Ocean Tile – 20 Year Limited Warranty.**

### **1. Product description and material specifications.**

**Product description:**

Fibre Thatch is made in tile format. A tile measures 800mm x 600mm x 25mm. Each tile contains 6mm to 16mm simulated leaf strands cut in various lengths. The simulated leaf strands are packed and brushed in jigs to imitate a leaf thatch look. A reinforced polyurethane-binding strip is used to glue the simulated leaf thatch in a single tile.

### **2. Specifications - Polyolefin Particles.**

**Natural Polypropylene Homo & Co-polymer combination**

H510-02 Polypropylene Resin is a homo-polymer suitable for extrusion, general purpose injection and blow molding. H510-02 Polypropylene Resin offers good process ability and low water carry-over, required when water baths are used during processing. H510-02 Polypropylene Resin offers good tenacity and low fibrillation.

The polyolefin particles are manufactured in a specially designed extrusion process incorporating synergistic chemistry and compounding technology. The extrusion process allows the shaping of the Polyolefin particles in leaf profiles with a width that vary between 6mm and 16mm. Synergistic chemistry helps to overcome degradation problems in Polyolefin that are associated with exposure to sunlight and some artificial lights. Compounding technology enhances the performances of the final products by combining strength of various Polyolefin polymers.

- a. Virgin Polymer.
- b. 10% First generation recycled Polymer.
- c. Stabilizers and lubricants designed for outdoor use.
- d. Antioxidants.
- e. Organic Pigments.
- f. Elongation at yield 8.5% - ISO 527(Test Method)
- g. Tensile strength at yield 31 Mpa – ISO 527(Test Method)
- h. Flexural Modulus 1360 Mpa – ISO 178(Test Method)
- i. Vicat Softening point B (50 N) 90°C - ISO 306/B(Test Method)
- j. Melt flow rate (230 °C, 2.16kg) 2.0 g/10min – ISO 1133(Test Method)

**3. A defective tile pertaining to the Polyolefin particles or a defect is defined as:**

- A. Delamination of the Fiber Thatch leaves equal to more than 25% of the total leaves of the affected tile.
- B. UV degradation, which substantially and negatively inhibits integrity of a tile, equal to the loss of 50% or more of the tensile strength of the particles of a tile.
- C. Faulty stitching in the sown binding strip that cause failure resulting in more than 25% leaf loss in an effected tile.
- D. Color fading consisting of more than 25% overall fade of the tile in the first 5 years from date of purchase with in a two-year period under a specific exposure-testing environment of 160 KiloLanleys (Klys) radiation per year. This can be interpreted as a one-year color fastness without fading under the test environment. 1 Langley is the amount of energy to heat one gram of water, or 1 Cal/cm<sup>2</sup>/min. 280 Klys radiation equals two years of Florida 45 deg. South exposure (Moist Subtropical Mild-Latitude Climate by Koppen Climate Classification).
- E. Heat distortion consisting of more than 20% in any individual tile having curled a diameter of 60mm or less.

**4. Limitations of warranty.**

- A. Warranty is for the replacement of material in the first ten (10) years of the limited warranty period.
- B. During the next 10 years of the limited warranty period, warranty covers replacement of material on a pro-rata basis. During year eleven (11) to fifteen (15), the warranty will cover 50% of the replacement of material. Thereafter, the replacement of material will be reduced 10% per year.
- C. Replacement of material is limited to the material being supplied ex-works Gauteng, South Africa (excluding shipping costs). Fiber Roofing c.c. will not cover transport costs of any replaced material.
- D. Fiber Roofing c.c. will not cover any costs to install or fit the material.
- E. This warranty is only valid if a certified installer proofed by Fiber Roofing c.c. installs the tiles. The installation method must be approved by Fiber Roofing c.c. in writing.
- F. Fiber Roofing c.c. is not responsible for any incidental or consequential damages, including but not limited to, damage to the interior of the building or to any property contained therein or there about or for any injuries or damages sustained by any person(s) or any damages of any kind whatsoever.
- G. Fiber Roofing c.c. is not responsible for any loss of profit in the effect of a failure of the product.
- H. Fiber Roofing c.c. is not responsible for any failure or defect resulting from any such causes as, but not limited to: Damage from other or related roof work, improper flashing work, under laymen construction or assembly, sub roof, insulation, subsequent alterations of the roof, damage during shipment, improper storage or handling, misuse or neglect.
- I. Fiber Roofing c.c. is not responsible for any defect or damage resulting from but not limited to: Lightning, windstorm, hurricane, tornado, fire, hailstorm, impact of foreign objects or other storm or casualty or act of God; damage to tiles due to settlement, earthquake, distortion, failure, or cracking of the sub roof, walls, or foundation of any underlying or associated structure or part of a structure, or a defect in materials used as a base over which Fiber Thatch tiles are applied, or damage to the product resulting from foot or other traffic on the roof or tiles.
- J. Fiber Roofing c.c. has to approve in writing in advance alterations to the product. If not approved the warranty will be void.



- K. No installer or distributors have the authority to bind Fiber Roofing cc or create liability on behalf of Fiber Roofing cc.

**5. Notification of claim.**

Claims must be submitted within 30 days after the discovery of an alleged defect. The claim must be in writing submitted to the above address. Acknowledgement must be obtained.

Fiber Roofing c.c. will within a reasonable time after receiving the warranty claim, investigate the claim. If Fiber Roofing c.c. determines that the defect is covered by the claim, Fiber Roofing c.c. will resolve the claim in accordance with the terms of this warranty.

**6. Limited warranty in lieu of all other warranties.**

This warranty is exclusive and in lieu of all other warranties, whether express or implied by law, including the implied warranties of merchantability and fitness for a particular use or purpose. No representative, employee, distributor or agent of Fiber Roofing c.c. or any other person has the authority to assume or bind Fiber Roofing c.c. for any additional liability or responsibility in connection with Fiber Thatch tiles beyond that set forth herein. In no event, whether for breach of this warranty, negligence or any other cause, will Fiber Roofing c.c. be liable for consequential or incidental damages of any kind.

