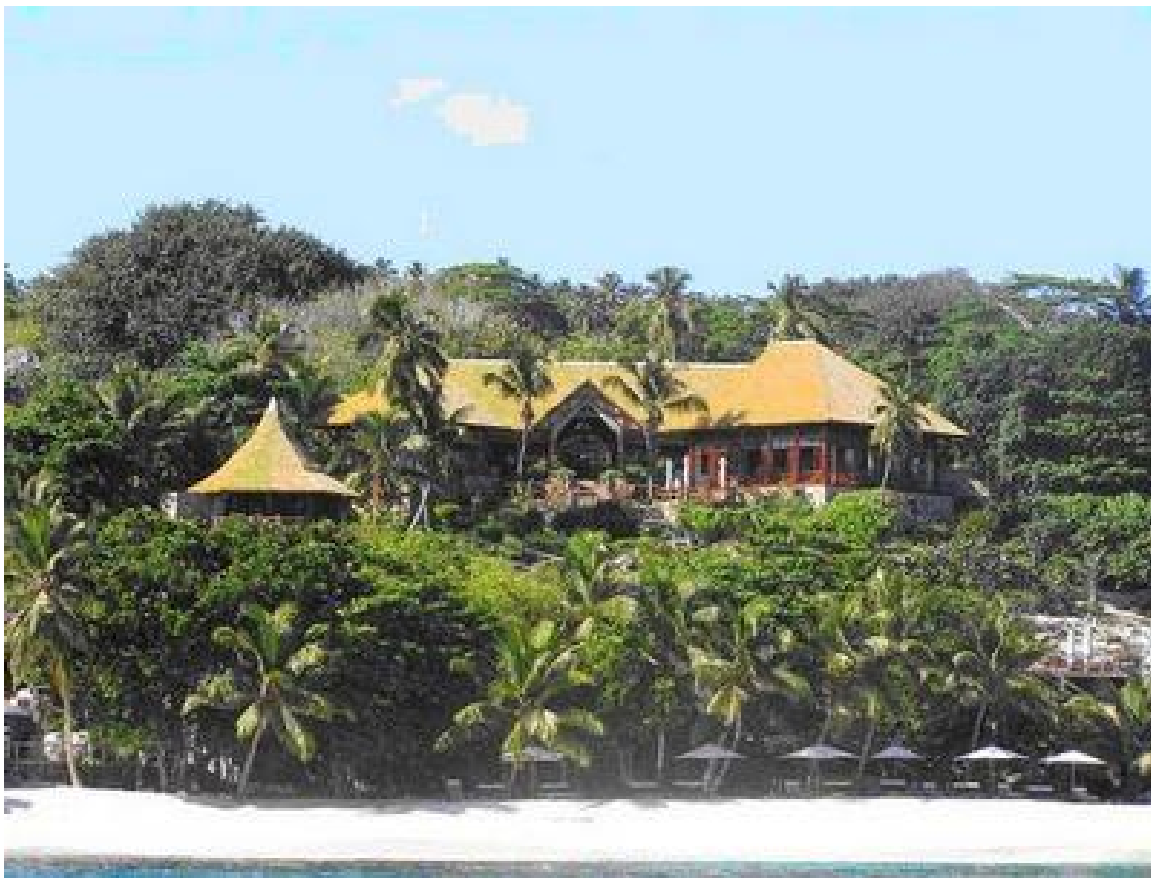


FIBER ROOFING CC



Natural Thatch achieved with synthetic materials

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(Fiber Thatch Roof - Main Complex – Fregate Island., Seychelles)

Newsletter - Technical Bulletin.

Please note that the trusses of a Fiber Thatch roof system are similar to most conventional roof systems as constructed in the U.S.A. & Europe. Also take note that the round pole trusses as used in Africa for a conventional Thatch Roof will work 100% with Fiber Thatch.

Only the exterior layer differs to create the **thatch roof look**.

If a natural thatch roof interior finish is desired this can be created. A Thin layer of natural material can be laid on top of the normal battens to create that warm thatch look. This layer can be tied down with string or nailed in place with a thin strip of timber on top of the roof battens holding the thatch layer in position. We can offer Natural Thatch Grass, Cape Reed, Norfolk Reed, Makuti Palm, Alang Alang or Spanish Heather as an interior layer. The layer is very thin and meant only **to hide away the marine ply or roof ply**.

On top of the thin ceiling layer the marine ply or the roof ply is screwed onto the truss system and is then waterproofed with a 3mm to 4mm layer of rubber waterproofing that is sealed at all the overlapping joints by melting the layers together. The tiles are then stapled or nailed onto the waterproofed roof ply.

It is important to point out that, due to the fact that the backing strip of the tile is polyurethane rubber as well as the fact that the waterproof membrane is rubber, there will **never** be a leak when the tiles are nailed or stapled into position. The rubber forms a gasket and seals properly around all the nails and staples ensuring the waterproofing of the roof. **The thin layer of tile's only purpose is to create that "real authentic thatch finish"**.

To create a "thick thatch look" we use "eave sections" on the edges of the roofs. These sections are available in either 150mm(6") thickness or 250mm(10") thickness

and are fastened in place with self-tapping screws. The eave sections are screwed onto barge boards that are fitted to the roof edges or gable ends (parapets). (*See "Newsletter - Technical Bulletin-Fiber Eaves and Gables."*)

Because of the flexible polyurethane rubber strip, tiles can be folded "around" a gable end. This provides another finish. A good example where this method was used is the Chester Zoo Restaurant in the U.K.

Due to the fact that the tiles are so flexible no special tools are required to mold tiles into place when they are being installed in valleys or over hips. The tiles will simply bend or fold into place.

On hips we do recommend that between every layer of tiles an additional half tile is fitted only to ensure a 100% coverage where the bending of the tile fan out.

Our tiles can be used on metal roofs such as IBR and corrugated sheet roofs as well as on roof ply or marine ply boards. (*See "Technical Bulletin-Fiber Tiles fitted on IBR, Corrugated or Marine Ply Roofs." Letter forwarded to you.*)

We can also supply tiles that are fitted with clips. The purpose of the clips is to clip tiles where a customer desires to space the tiles leaving a gap between tiles and the sub-roof. **When tiles with clips are fitted it is very important to fit an additional spacing bar between each layer of rods.** This will lend extra support and prevent any sagging of tiles between rods when exposed to extreme temperatures. (This is also applicable where flat tiles are stapled to battens or where the tiles are raised from the sub roof)

A tile measures 800mm(32") x 450mm(18) but **cover** only 800mm(32") x 240mm(9.75"). It is important that the spacing should be exactly 240mm(9³/₄") and consistent all over the roof. If spacing is not consistent the natural thatch finish will not be achieved. For this

spacing 5.2 tiles will be needed per square meter. To calculate the eave sections you measure the total length of the roofs perimeter and divide the total running meter by 400mm(16"). This will give you the required number of eave sections.

Study the section in our website that discusses how many tiles fit into a 20ft. container. Remember that you can only fit natural thatch grass or reed material for plus minus 150m² into a 20ft. container. It should be easy to realize that it is **very, very** economical to load Fiber Thatch because you can pack enough material to cover plus minus **1770** square meters into a 20ft. container.

We sell two types of material: **Polyolefin Fiber** and **P.V.C. Fiber**. The PVC Fiber we only manufacture on special request where a 100% fire retardant product is required. PVC does not have the same color fastness and longevity than Polyolefin Fiber. PVC will also distort and bend/curl when exposed to very hot sun.

Compared with PVC Fiber, **Polyolefin Fiber** is a far superior product. Inspections on roofs done more than 10 years ago have shown **no color fading or texture changes. Our Polyolefin Fiber passed the UL 94 Fire tests with a V2 fire-rating.**

COLORS.

Polyolefin: All the strands are extruded in two tones, which mean two colors in one strand.

Available colors are **Yellow**, which are made up of 80% Yellow/Green and 20% Light Brown/Dark Brown strands.

Brown tiles are made up of 80% Light Brown/Dark Brown and 20% Yellow/Green strands.

Yellow/Brown tiles are made up of 50% Light Brown/Dark Brown and 50% Yellow/Green strands.

We can match and extrude any color on request.

Why our tiles and not tiles made by our opposition?

Simply because our tiles are better priced (More than 50% less) and our range of colors that we work in are far superior to any other synthetic thatch available in the world.

PRICES:

Prices are shown on the web page.

Terms:

We insist on an official order with a 50% deposit and an irrevocable Letter of Credit against Bill of Lading.

It is very important to study our websites in depth.

Sites are:

www.fiberthatchguide.com

www.fiberthatch.com

Our sites are printable in A4 format.

The Sales Team

(Zameka Kutuka, Danie Vorster and Jan Grobler)