



FIBER ROOFING

South African Manufacturer & Exporter of Thatch Products



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FIBERREED: PERFECT FOR HIGH WIND APPLICATIONS

INTRODUCTION

The monofilaments in the Fiber Thatch Polyolefin tiles are 1.5mm to 2mm diameter on average. The Polyolefin product is far superior to the older PVC synthetic thatch previously used (prior to 2005) Polyolefin binds much better into the polyurethane strip.

Fiber Thatch Polyolefin is the product for the future as far as synthetic thatch systems are concerned. It is far superior in colorfastness and durability it also aesthetically looks far more natural than anything else on the market today. We have a couple of resorts that have been done in Fiber Thatch Polyolefin and the results after 10 years on the oldest of these are phenomenal.

Since the international ban on heavy metal additives and all the problems associated with Poly Vinyl Chloride in the world in light of the ecological impact on nature and the environment, we decided to discontinue our PVC product range in 2007 and only manufacture and market our Fiber Thatch Polyolefin products and no longer both

PVC and Polyolefin, Polyolefin is far more ecologically friendly and does not contain any questionable additives as it is essentially a plastic. The closest comparison would be the clear plastic that plastic cold drink bottles are made from. One of the major advantages that polyolefin have over PVC is that Polyolefin's extruded monofilaments retain muscle memory, Should a monofilament be bent by whatever external influence it will return to its original straight extruded form, Poly Vinyl Chloride will remain distorted and will not return to the original extruded form.





The Polyolefin monofilament & polyurethane binding strip has been, and is currently being tested practically on resort roofs. In the Seychelles at the Fregate Island Private resort owned by Billionaire Dr. Happel a huge problem was high speed wind damage occurring to his personal cliff-top Villa roofs. These cliff-top villas are sitting on a high cliff above the open ocean, directly exposed to the southern Indian Ocean's relentless constant wind. Standard practice on these villas was to fit cargo netting over the natural thatch to minimize the wind damage that was occurring due to the high wind, often in excess of 150 kilometers per hour.





Since our Fiber Thatch polyolefin tiles (FiberReed) were installed on these villa roofs 10+ years ago. There has to date not been any damage at all caused by the constant high winds, often in excess of 150 kilometers per hour.

We are very confident of the ability of our product to with stand high winds as the composition of the product is based on monofilaments (thin individual polyolefin strands) ± 1800 per tile, bound in a polyurethane (rubber) reinforced backing strip. Due to the nature of the thin individual strands the wind can't grip the tile as a hole but rather blow through the strands. Dr. Happels villas are a perfect example that the product works excellently in high risk cyclone prone areas around the world.

