**Palmex Synthetic Palm Thatch Info & Specs:**

- **Size:** Shingles - 38" Long x 27" Tall x 0.7mm thick (Rio & Aloha styles) Aloha come with 57 inch rails to slide 1.5 shingles into (or 114 inch.)
- **Rio Style** is intended to be installed on a sub-roof while Aloha is intended to be installed directly to roof rafters, leaving shingles visible from beneath (max rafter spacing of 19 7/8").
- **Size:** Ridge Cap - 38" Long x 28" Wide
- **Size:** Top Cap - 38" Diameter
- **Warranty:** 20 year manufacturer
- **Lifespan:** 40 + years (estimated)
- **Waterproof roof system** if installed properly
- **Maintenance:** Little or none
- **Material:** Polyethylene, Thermo-molded
- **Coverage:** Shingles cover approximately 1.2 square feet @ 5" row intervals, add 10-12% for waist, possibly more if using on a circular roof
- **Installation:** Shingles can be nailed, stapled or screwed directly to wood battens, 3/4" plywood or as part of a complete roofing system depending on waterproofing and aesthetic preferences. Not recommended for roofs less than 7/12 pitch to be waterproof.
- **Added cost for fire rated materials:** Class A & C fire rating under the ASTM E108 tests
- **Accessories:** Top Cap, Ridge Cap, Wind Clips
- **Website link:** [http://www.palapastructures.com/opaccessories/syntheticthatch.htm](http://www.palapastructures.com/opaccessories/syntheticthatch.htm)
**VIRO SYNTHETIC PALM & REED THATCH SPECS:**

- **Size:**
  - Java Umbrella & Sub-roof Panel: 31” Long x 22” Tall x 1” Thick or (sub-roof 3/8” Thick)
  - African Reed Umbrella Panel: 31” Long x 16.5” Tall x 1” Thick
  - African Reed Starter Panel: 31” Long x 9.85” Tall x 1” Thick
  - African Reed Sub-roof Panel: 31” Long x 16.5” Tall x 3/8” Thick
  - African Reed Eave Broom: 31” Long x 4.1” Tall x 2.2” Thick

- **Warranty:** 15-20 year manufacturer backed
- **Waterproof:** No; not 100% unless installed over sub-roof
- **Maintenance:** Little to none
- **Material:** High-density Polyethylene
- **Coverage:**
  - Java & Reed umbrella: 1 shingle / 2.15 square feet with 10” row spacing; add 10-12% for waist.
  - African Reed Sub-roof: 1 shingle / 1.25 square feet with 6” row spacing; add 10-12% for waist.
  - Java 3L sub-roof: 1 shingle / 1.67 square feet with 8” row spacing; add 10-12% for waist. Installations can also be done closer together for an even fuller thicker look or spaces farther apart for a thinner flatter look.
- **Installation:** nailed, stapled, screw directly to wood battens, rafters, 3/4” plywood or as part of a complete roofing system depending on waterproofing and aesthetic preferences. This product applies easily to any roof pitch.
- **Fire Rating:** None or "FR" model achieves Class A
- **Accessories:** African Reed Thatch Eaves, Reed & Java Round Top Cap, African Reed Starter
Tahitian Natural Palm Thatch Info & Specs:

- Size: 3 ft. Long x 2 ft. Tall x ½” Thick Shingle/panel or 3 ft. Diameter top cap (sizes are approximate and not guaranteed)
- Warranty: None
- Lifespan: Tahiti Thatch is durable for natural thatch; the estimated life is 6-15 years depending on the climate. If high humidity, wind or rain, your thatch will last closer to the lower end of the spectrum.
- Waterproof: Very close to water proof if installed 12” on center.
- Maintenance: Rinse with low pressure water to clean dirt and other debris periodically as needed
- Material: Real palm fronds/leaves grown, and hand woven together with nylon twine in Mexico.
- Coverage: 1 shingle / 3 square feet coverage with 12 inch row spacing
- Installation: staple, nail, screw, wire, zip tie
- Fire Rating: None, unless treated with fire retardant than rated Class A for 4 years outdoor
- Website link: [http://www.palapastructures.com/opaccessories/tahitithatch.htm](http://www.palapastructures.com/opaccessories/tahitithatch.htm)
MEXICAN NATURAL PALM THATCH INFO & SPECS:

- Size: 4x4, 4x8, 4x20, 4x40, 2.5x8, 2.5x27, 2.5x60, Round-7, 9, 12, 14, 16 see website for updated list of sizes
- Warranty: None
- Lifespan: 1-8 years, depending on the climate. If high humidity, wind or rain, your thatch will last closer to the lower end of the spectrum.
- Waterproof: No, unless installed over sub-roof
- Maintenance: Rinse with low pressure water to clean dirt and other debris periodically as needed
- Material: Real palm fronds Mexican hand woven in a diamond weave pattern that may be cut to custom sizes
- Coverage: Depends on size selected (recommended to layer installations)
- Installation: staple, wire, zip tie
- Fire Rating: None, unless treated with fire retardant than rated Class A for 4 years outdoor
- Website link: [http://www.palapastructures.com/opaccessories/palmthatch.htm](http://www.palapastructures.com/opaccessories/palmthatch.htm)

PALAPA THATCH & MATTING INFO SHEETS

*All information provided here in has been presented to the best of our knowledge and are not warranties or guaranteed & should not be solely relied upon. Actual product colors may vary from pictures shown.

Website: [www.PalapaStructures.com](http://www.PalapaStructures.com)  Phone: 805.386.0306  Email: info@PalapaStructures.com
AFRICAN NATURAL REED THATCH INFO & SPECS:

- Size: 32 in. Long x 18 in. Tall x 1” Thick shingle/panel or 32 in. Diameter top cap
- Warranty: None
- Lifespan: Reed Thatch is durable for a natural thatch; the estimated life is 6+ years
- Waterproof: Close to water proof if installed prudently
- Maintenance: Rinse with low pressure water to clean dirt and other debris periodically as needed
- Material: Real African reeds grown and put together in South Africa
- Coverage: 1 shingle / 3 square feet coverage with 12 inch row spacing
- Installation: staple, nail, screw, wire, zip tie
- Fire Rating: None, unless treated with fire retardant than rated Class A for 4 years outdoor
- Website link: [http://www.palapastructures.com/opaccessories/reedthatch.htm](http://www.palapastructures.com/opaccessories/reedthatch.htm)
MATTING: NATURAL & SYNTHETIC WALL & CEILING MATTING INFO:

- Size: Lauhala Natural: 4x8ft, 3x50ft, 4x50ft / Bac-Bac Natural: 4x8ft / Viro Synthetic All: 4x25ft
- Warranty: Natural: None / Synthetic Viro: 5 year manufacturer
- Lifespan Outdoor under cover: Natural: 10+ / Viro Synthetic: 30+
- Maintenance: Wipe with damp cloth to clean dirt and other debris as needed / Viro: can also use low pressure water
- Material: Lauhala: Hala tree leaf / Bac-bac: banana tree bark / Viro: High-density Polyethylene
- Coverage: 4x8 = 32sf / 4x25 = 100sf / 3x50 = 150sf / 4x50 = 200sf
- Installation: staple, nail, screw, glue
- Fire Rating: Lauhala & Bac-Bac: None, unless treated w/ fire retardant than rated Class A for 4 years outdoor
- Fire Rating: Viro: None or special order Class A
- Natural Matting: to protect outdoors varnish or other sealers can be used (test small sample first)
- Website link: [http://www.palapastructures.com/opaccessories/palmmatting.htm](http://www.palapastructures.com/opaccessories/palmmatting.htm)
<table>
<thead>
<tr>
<th>Material</th>
<th>SKU#</th>
<th>Origin</th>
<th>Warranty</th>
<th>Life Expectancy</th>
<th>Outdoors</th>
<th>Brakes</th>
<th>Waterproof</th>
<th>Square ft Coverage ea</th>
<th>Retail Price each</th>
<th>Price per Square ft</th>
<th>Fire Resistant</th>
<th>Recycling Needed</th>
<th>Accessories Available</th>
<th>Installation Method</th>
<th>Weathered Color</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>African Reed Thatch</td>
<td>ABT</td>
<td>South Africa</td>
<td>None</td>
<td>1-5+ years</td>
<td>Installation</td>
<td>None</td>
<td>Yes</td>
<td>2.5, if installing rows @ 12”</td>
<td>$35, $140 (box of 6 each-$33.33)</td>
<td>$14.33- (box 6)</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Tahitian / Fiji Thatch</td>
<td>TT+</td>
<td>Mexico</td>
<td>None</td>
<td>1-5+ years</td>
<td>Installation</td>
<td>None</td>
<td>Yes</td>
<td>3.0, if installing rows @ 12”</td>
<td>$38, $140 (bag of 4 each-$36)</td>
<td>$12.66- (12- bag 4)</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Synthetic Materials</td>
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<td></td>
</tr>
<tr>
<td>Palapa Rio</td>
<td>STPr72k</td>
<td>Canada</td>
<td>Polyethylene</td>
<td>20 years</td>
<td>40+ years</td>
<td>38&quot;W x 27&quot;L x 0.7mm Th</td>
<td>Yes, when installed properly</td>
<td>1.0, if installing rows @ 5&quot;</td>
<td>$550</td>
<td>$6.57</td>
<td>None, Class C, Class A</td>
<td>No</td>
<td>No, roof cap, ridge cap, wind clips</td>
<td>screw, staple, nail</td>
<td>failing estimated 2-4% in 5 years</td>
<td>Stocked non-FR</td>
</tr>
<tr>
<td>Palapa Aloha</td>
<td>STPa72k</td>
<td>Canada</td>
<td>Polyethylene</td>
<td>20 years</td>
<td>40+ years</td>
<td>38&quot;W x 27&quot;L x 0.7mm Th</td>
<td>Yes, when installed properly</td>
<td>1.0, if installing rows @ 5&quot;</td>
<td>$600</td>
<td>$6.74</td>
<td>None, Class C, Class A</td>
<td>No</td>
<td>No, roof cap, ridge cap, wind clips</td>
<td>screw, staple, nail</td>
<td>failing estimated 2-4% in 5 years</td>
<td>Stocked non-FR</td>
</tr>
<tr>
<td>Viro Java 2ply Palm Thatch</td>
<td>STV22k5x2k</td>
<td>Indonesia</td>
<td>High-Density Polyethylene</td>
<td>20 years</td>
<td>50+ years</td>
<td>31&quot;W x 22&quot;L x 3/8&quot;Th</td>
<td>No</td>
<td>1.72, if installing rows @ 8”</td>
<td>$15.40- (5@ $385), or $18 each</td>
<td>$8.95</td>
<td>None, Class A</td>
<td>No</td>
<td>no top cap, screw, staple, nail</td>
<td>screw, staple, nail</td>
<td>failing estimated 2-4% in 5 years</td>
<td>Special order</td>
</tr>
<tr>
<td>Viro Java umbrella clip-on Palapa Thatch</td>
<td>STV2J8k4x8</td>
<td>Indonesia</td>
<td>High-Density Polyethylene</td>
<td>20 years</td>
<td>50+ years</td>
<td>31&quot;W x 19&quot;L x 1&quot;Th, 34&quot;D</td>
<td>No</td>
<td>2.5, if installing rows @ 12”</td>
<td>$50.00, $140</td>
<td>$20</td>
<td>None, Class A</td>
<td>No</td>
<td>no roof cap, staple, wire, clip to 1/4&quot; round, nail, screw</td>
<td>screw, staple, nail</td>
<td>failing estimated 2-4% in 5 years</td>
<td>Special order</td>
</tr>
<tr>
<td>Viro Java Round Synthetic Mexican Palm Thatch</td>
<td>STMrV(+)</td>
<td>Indonesia</td>
<td>High-Density Polyethylene</td>
<td>15 years</td>
<td>20+ years</td>
<td>8.5, 9, 12”</td>
<td>No</td>
<td>33, 56, 104</td>
<td>$650, $700, $1200</td>
<td>$19.7, $12.5, $11.54</td>
<td>None</td>
<td>NA</td>
<td>no</td>
<td>staple, tie strap, wire</td>
<td>screw, staple, nail</td>
<td>failing estimated 2-4% in 5 years</td>
</tr>
<tr>
<td>Viro African Reed Umbrella</td>
<td>STVAr(+)</td>
<td>Indonesia</td>
<td>High-Density Polyethylene</td>
<td>20 years</td>
<td>50+ years</td>
<td>31&quot;W x 18&quot;L x 1&quot;Th,</td>
<td>No</td>
<td>2.5, if installing rows @ 12”</td>
<td>$56.66, $240 (6@ $400) or $70 each</td>
<td>$26.67 or $28 each</td>
<td>None, Class A</td>
<td>No</td>
<td>no roof cap, staple, clip to 1/4&quot; round, nail, screw</td>
<td>screw, staple, nail</td>
<td>failing estimated 2-4% in 5 years</td>
<td>Special order</td>
</tr>
<tr>
<td>Viro African Reed Sub-pool</td>
<td>STVAR(+</td>
<td>Indonesia</td>
<td>High-Density Polyethylene</td>
<td>20 years</td>
<td>50+ years</td>
<td>30&quot;W x 18&quot;L x 3/8&quot;Th</td>
<td>No</td>
<td>1.67, if installing rows @ 8”</td>
<td>$40</td>
<td>$23.95</td>
<td>None, Class A</td>
<td>No</td>
<td>no roof cap, starter, eye-brook, screw, staple, nail</td>
<td>screw, staple, nail</td>
<td>failing estimated 2-4% in 5 years</td>
<td>Special order</td>
</tr>
<tr>
<td>Viro African Reed Starter</td>
<td>STVAR(+</td>
<td>Indonesia</td>
<td>High-Density Polyethylene</td>
<td>20 years</td>
<td>50+ years</td>
<td>30&quot;W x 12&quot;L x 3/4&quot;Th</td>
<td>No</td>
<td>None, to be installed under sub-roof panels</td>
<td>$40</td>
<td>NA</td>
<td>None, Class A</td>
<td>No</td>
<td>no roof cap, starter, eye-brook, screw, staple, nail</td>
<td>screw, staple, nail</td>
<td>failing estimated 2-4% in 5 years</td>
<td>Special order</td>
</tr>
<tr>
<td>Viro African Reed Breeze/Bloom</td>
<td>STVAR(+</td>
<td>Indonesia</td>
<td>High-Density Polyethylene</td>
<td>20 years</td>
<td>50+ years</td>
<td>31&quot;W x 4-3/8&quot; x 2-1/4&quot;Th</td>
<td>No</td>
<td>0.86</td>
<td>$80</td>
<td>$93.02</td>
<td>None, Class A</td>
<td>No</td>
<td>no roof cap, starter, eye-brook, screw, staple, nail</td>
<td>screw, staple, nail</td>
<td>failing estimated 2-4% in 5 years</td>
<td>Special order</td>
</tr>
<tr>
<td>Viro African Reed Round Top Cap</td>
<td>STVAR(+</td>
<td>Indonesia</td>
<td>High-Density Polyethylene</td>
<td>20 years</td>
<td>50+ years</td>
<td>32&quot; Diameter</td>
<td>No</td>
<td>0.59</td>
<td>$240</td>
<td>$42.93</td>
<td>None, Class A</td>
<td>No</td>
<td>no roof cap, starter, eye-brook, screw, staple, nail, plastic less</td>
<td>screw, staple, nail</td>
<td>failing estimated 2-4% in 5 years</td>
<td>Special order</td>
</tr>
</tbody>
</table>

Key:
- "- diameter
- l - length, top to bottom
- T - tall, side to side
- Th - thick
- "- feet (example: 1)
- "- inches
- K - by
- "- piece
- D-"- 1/2"-inch

Definitions & Explanations:
- Waterproof means water will not go through material, keeping area dry beneath.
- Square ft Coverage ea: the material will cover approximately this amount each & will depend on desired look & the installer
- Fire Resistant classification provided by manufacturer and are not guaranteed for Palapa structures
- Weathered Color: Stocked means we normally carry the item in house but will still have the possibility of being "out of stock" at the time of purchase
- Material: Some items may have other materials also used to form the thatch together and is noted here
- All information provided herein has been presented to the best of our knowledge and are not warranties or guaranteed
- Price subject to change without notice.

PALAPA THATCH & MATTING INFO SHEETS
*All information provided herein has been presented to the best of our knowledge and is not warranted or guaranteed & should not be solely relied upon. Actual product colors may vary from pictures shown.
Website: www.PalapaStructures.com Phone: 805.386.0306 Email: info@PalapaStructures.com
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