

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
- PDF install docs: [Aloha Install Guide](#), [Rio Install Guide](#), [Palmex Making "Hips" Guide](#), [Aloha Making "Hip" Install Guide](#),
- Website link: <http://www.palapastructures.com/opaccessories/syntheticthatch.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

Phone: 805.386.0306

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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.
- Coverage: African Reed Sub-roof: 1 shingle / 1.25 square feet with 6" row spacing; add 10-12% for waist.
- Coverage: 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
- PDF install docs: [Java/Bali: Sub-roof Install Guide](#), [Java/Bali: Valley Install Guide](#), [Reed: Sub-roof Install Guide](#).
- Web Link: <http://www.palapastructures.com/opaccessories/syntheticthatch.htm>,
http://shop.palapastructures.com/ViroBuild_bymfg_2-0-1.html



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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>



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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>



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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>



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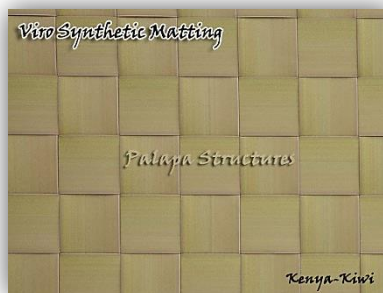
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MATTING: NATURAL & SYNTHETIC WALL & CEILING MATTING INFO:



- 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>



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THATCH COMPARISON SHEET

By: PalapaStructures.com

Product Name	SKU #	Origin	Material	Warranty	Life Expectancy Outdoors	Size(s)	Waterproof	Square ft Coverage ea	Retail Price each	Price per Square ft	Fire Resistance Classifications Available	Fire Retardant Reapplication Needed	Accessories Available	Installation Method (s)	Weathered Color	Availability
Depends on desired look & installer											Fire Rated Product Prices Not Listed					
Natural Materials			Natural													
Palm Thatch/ Rain Cape Thatch	MT+(option)	Mexico	Palm Tree Fronds/Leaves	None	2-8 years depending on climate & installation	4'x4', 4'x8', 4'x20', 4'x50', 2.5'x8', 2.5'x27', 2.5'x60', 2.5'd, 7'd, 9'd, 12'd, 14'd, 16'd	NO	16, 32, 80, 200, 16, 54, 120, 3, 14, 41, 67, 119, 161, 209 (one layer)	\$25, \$56, \$140, \$330, \$38.33, \$120, \$190, \$42, \$152, \$180, \$205, \$280, \$320	1.56, 1.75, 1.75, 1.65, 2.39, 2.22, 1.58, 13.37, 3.70, 4.39, 1.72	None or Treated Class A	Yes, every 4 years	no	staple, tie strap, wire	Gray	Stocked
African Reed Thatch	ART+(option)	South Africa	Southern African Cape Reed	None	5-10+ years depending on climate & installation	31"W x 17"L x 1"Th & 31"D	99% depending on installation	2.5, if installing rows @12"	\$35, \$140, (box of 6 each- \$33.33)	\$14, (\$13.33- box 6)	None or Treated Class A	Yes, every 4 years	no	staple, wire, clip to 1/4" round, nail, screw	Gray	Stocked
Tahitian / Fiji Thatch	TT+(option)	Mexico	Palm Tree Fronds/Leaves	None	5-10+ years depending on climate & installation	36"W x 24"L x 1"Th & 36"D	99% depending on installation	3, if installing rows @12"	\$38, \$140, (bag of 4 each- \$36)	\$12.66, (\$12- bag 4)	None or Treated Class A	Yes, every 4 years	no	staple, tie strap, wire, nail, screw	Gray	Stocked

Synthetic Materials			Synthetic													
Palmex Rio	STPxR72pk	Canada	Polyethylene	20 years	40+ years	38"W x 27"L x 0.7mm Th	Yes, when installed properly	1.2, if installing rows @ 5"	\$550	\$6.37	None, Class C, Class A	No	roof cap, ridge cap, wind clips	screw, staple, nail	fading estimated 2-4% in 5 years	Stocked non-FR
Palmex Aloha	STPxA72pk	Canada	Polyethylene	20 years	40+ years	38"W x 27"L x 0.7mm Th	Yes, when installed properly	1.2, if installing rows @ 5"	\$600	\$6.94	None, Class C, Class A	No	roof cap, ridge cap, wind clips	screw, staple, nail	fading estimated 2-4% in 5 years	Stocked non-FR
Viro Java 2ply Palm Thatch	STVJ2Lpk25	Indonesia	High-Density Polyethylene	20 years	30+ years	31"W x 22"L x 3/8"Th	No	1.72, if installing rows @ 8"	\$15.40- (25@ \$385), or \$18 each	\$8.95	None or Class A	No	top cap	screw, staple, nail	fading estimated 2-4% in 5 years	Special order
Viro Java umbrella clip-on 8ply Palm Thatch	STVJ8Lpk8	Indonesia	High-Density Polyethylene	20 years	30+ years	31"W x 19"L x 1"Th, 34"D	No	2.5, if installing rows @12"	\$50 each, \$140	\$20	None or Class A	No	roof cap	staple, wire, clip to 1/4" round, nail, screw	fading estimated 2-4% in 5 years	Special order
Viro Java Round Synthetic Mexican Palm Thatch	MTV+(option)	Indonesia	High-Density Polyethylene	15 years	20+ years	8.5', 9', 12'	No	33, 56, 104	\$650, \$700, \$1200	\$19.7, \$12.5, \$11.54	None	NA	no	staple, tie strap, wire	fading estimated 2-4% in 5 years	Special order
Viro African Reed Umbrella	STVA+(option)	Indonesia	High-Density Polyethylene	20 years	30+ years	31"W x 18"L x 1"Th,	No	2.5, if installing rows @12"	\$66.66, \$240 (6@ \$400) or \$70 each	\$26.67 or \$28 each	None or Class A	No	roof cap	staple, wire, clip to 1/4" round, nail, screw	fading estimated 2-4% in 5 years	Special order
Viro African Reed Sub-roof	STVA+(option)	Indonesia	High-Density Polyethylene	20 years	30+ years	30"W x 18"L x 3/8"Th	No	1.67, if installing rows @ 8"	\$40	\$23.95	None or Class A	No	roof cap, starter, eve broom,	screw, staple, nail	fading estimated 2-4% in 5 years	Special order
Viro African Reed Starter	STVA+(option)	Indonesia	High-Density Polyethylene	20 years	30+ years	30"W x 12"L x 3/8"Th	No	None, to be installed under sub-roof panels	\$40	NA	None or Class A	No	roof cap, starter, eve broom,	screw, staple, nail	fading estimated 2-4% in 5 years	Special order
Viro African Reed Eave/Broom	STVA+(option)	Indonesia	High-Density Polyethylene	20 years	30+ years	31"W x 4-3/8"L x 2-1/4"Th	No	0.86	\$80	\$93.02	None or Class A	No	roof cap, starter, eve broom,	screw, staple, nail	fading estimated 2-4% in 5 years	Special order
Viro African Reed Round Top Cap	STVA+(option)	Indonesia	High-Density Polyethylene	20 years	30+ years	32" Diameter	No	5.59	\$240	\$42.93	None or Class A	No	roof cap, starter, eve broom,	screw, staple, nail, plastic ties	fading estimated 2-4% in 5 years	Special order

Key:
D - diameter
L - length, top to bottom
T - tall, side to side
Th - thick
' - feet (example: 8')
" - inches
x - by
*+ - plus
.. - to

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 and the installer
Fire Resistance Classification- Classifications provided by manufacturer(s) and are not guaranteed by Palapa Structures
Life Expectancy Outdoors- Numbers are estimations and are not guaranteed; product could last longer or shorter.
Manufacturer Warranty- Palapa Structures is not the manufacturer and doesn't not warranty thatch material
Price per Square ft- price is based on the retail prices divided by the estimated square feet per piece
Availability- Stocked means we normally carry the item in house but still have the possibility of being "out of stock" at the time of purchase
Material- some items such as the reed thatch have other materials also added to bind the thatch together and is not listed here
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All prices subject to change without notice.

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