

ENDUREED

SYNTHETIC THATCH ROOFING SYSTEMS

SECTION 07316

SYNTHETIC THATCH ROOFING

BASICS PALM

BASICS LINE

PART 1 – GENERAL

1.1 SUMMARY

This section specifies Endureed Basics Palm synthetic thatch roofing, an innovative roofing system simulating the appearance and texture of natural palm thatch. The system is suitable for new construction and retrofit applications on residential and outdoor structures including tiki huts, pool cabanas, and similar structures.

1.2 REFERENCES

Applicable Standards:

- ASTM standards as applicable for structural substrate
- ICC Building Codes – applicable local requirements
- Manufacturer's published installation instructions

1.3 SUBMITTALS

- Product data sheets including material specifications and color options
- Installation instructions
- Manufacturer's warranty documentation
- Samples: two (2) samples of each color and component specified

1.4 QUALITY ASSURANCE

Manufacturer: Global Innovation LLC, 313 SW Windswept Glen, Lake City, Florida 32024

Phone: 1-877-784-2824

Website: endureed.com

Product Line: Endureed Basics – residential synthetic thatch

1.5 DELIVERY, STORAGE, AND HANDLING

- Deliver materials in manufacturer's original packaging with labels intact
- Store shingles in a dry, well-ventilated, weather-tight location
- Do not expose boxes to excessive moisture
- Do not remove wrapping from bulk pallet until final placement at installation location

Field Shingle Packaging: 70 pcs per box, 70 lbs; box size 37" × 28" × 11" (940 × 711 × 279 mm)

Hip/Ridge Packaging: 100 pcs per box

Pallet: 840 field shingles per pallet (12 boxes)

1.6 WARRANTY

Endureed Basics Palm carries a 10-Year Limited Warranty covering faults in materials and workmanship. Contact manufacturer for complete warranty documentation.

PART 2 – PRODUCTS

2.1 MANUFACTURER

Global Innovation LLC
313 SW Windswept Glen
Lake City, Florida 32024
1-877-784-2824 | endureed.com

2.2 MATERIALS

Product Description:

Endureed Basics Palm is a synthetic palm thatch roofing system consisting of a fanned field shingle and matching hip/ridge shingle. The inside pattern is visible on the interior ceiling, providing an authentic palm thatch appearance from both above and below. Designed for residential outdoor structures with no maintenance required.

Key Features:

- 10-Year Limited Warranty
- Manufactured in the USA
- No maintenance required
- Fast and easy installation

Components and Part Numbers:

Component	Part Number – Golden Sisal	Part Number – Rustic Jute
Fanned Field Shingle	TF-HD-08-102-FS	TF-HD-08-101-FS
Hip/Ridge Shingle	TF-HD-01-102-HR	TF-HD-01-101-HR

Component Specifications:

Component	Size	Weight	Exposure	Coverage	Material
Fanned Field Shingle	32" × 27" × 0.030"	1.0 lb (0.45 kg)	9" (229 mm)	1.88 sq ft	HDPE
Hip/Ridge Shingle	27" × 27" × 0.030"	0.7 lb (0.32 kg)	6" (152 mm)	0.5 LF	HDPE

2.3 ACCESSORIES

Fasteners (all substrates):

- 1.25" (32 mm) 11-gauge ring shank roofing nails (6 per field shingle)
- Alternative: 1.25" #8 truss head screws (6 per field shingle)

Underlayment (Plywood Deck):

- Single layer Tan Soprema Elastophene Stick HR FR+ GR Cap Sheet adhered to plywood

PART 3 – EXECUTION

3.1 EXAMINATION

Examine substrates and conditions under which the work is to be installed. Verify compliance with manufacturer's requirements before proceeding.

Minimum Roof Pitch:

4:12 (18°) or greater. Total installed system thickness: 1-1/2" (38.1 mm).

3.2 PREPARATION

- Verify roof deck is clean, dry, and structurally sound
- Horizontal battens: install at 8" (203 mm) on-center prior to shingle installation
- Plywood deck: install Soprema cap sheet underlayment prior to shingle installation

3.3 INSTALLATION

Horizontal Batten Substrate:

- Install over horizontal battens spaced 8" (203 mm) on-center
- Fasten with 1.25" 11-gauge ring shank nails or 1.25" #8 truss head screws, 6 fasteners per shingle

Plywood Deck Substrate:

- Minimum 15/32" (12 mm) plywood deck over rafters per local code
- Install single layer Soprema Elastophene Stick HR FR+ GR Cap Sheet adhered to plywood
- Fasten with 1.25" ring shank nails or 1.25" #8 truss head screws, 6 fasteners per shingle

Metal Deck Substrate:

- Install pressure-treated pine 1" x 4" battens at 9" (229 mm) on-center over metal deck
- Fasten with 1" (25 mm) ring shank nails or 1.25" #8 truss head screws, 6 fasteners per shingle

3.4 CLEANING AND PROTECTION

- Remove all installation debris upon project completion
- Annual inspection is recommended
- No ongoing maintenance required under normal conditions

END OF SECTION 07316