



Somerset Product Data Sheet

Description

Somerset synthetic thatch is an innovative roofing system simulating the appearance and texture of natural European grass thatching. Using Endureed's patented binding system, the PVC reeds are looped through and mechanically locked in a metal binder strip. Combined with Endureed's proprietary mono-extruded PVC reeds, this system delivers decades of exceptional, real-world performance.

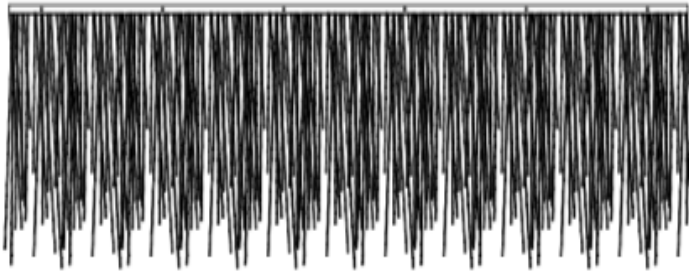
Features

- 30 Year Warranty*
- Manufactured in the USA
- Fire and Wind Resistant
- No maintenance required
- Fast and easy installation
- Life-like design
- Patented Metal Binding System

*See supplemental warranty document



Specifications



Field Shingle

Part Number: 734274

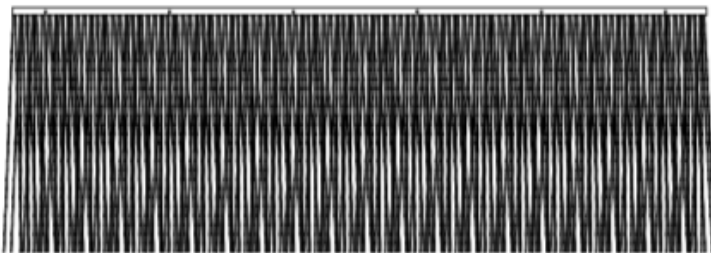
Size: 42"x 12" (1067 x 305 mm)

Weight: 3.66lb (1.66 kg)

Exposure: 6.5" (165mm)

Coverage: 1.89 Sq Ft (0.18 Sq M)

Material: PVC with stainless steel binder



Ceiling Shingle

Part Number: 734286

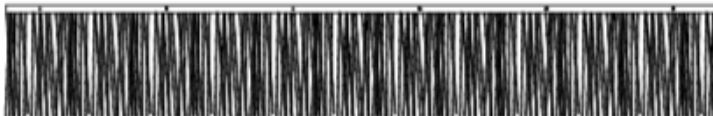
Size: 42"x 14" (1067 x 356 mm)

Weight: 4.75lb (2.15 kg)

Exposure: 12" (305 mm)

Coverage: 3.5 Sq Ft (0.33 Sq M)

Material PVC with stainless steel binder



Starter Shingle

Part Number: 734275

Size: 42"x 6" (1067 x 152 mm)

Weight: 2.5lb (1.13 kg)

Exposure: 0"

Coverage: 0"

Material: PVC with stainless steel binder

**Eave Wadd**

Part Number: 504806

Size: 48"x 4" (1219 x 102 mm)

Weight: 6.2 lb (2.81 kg)

Exposure: 0"

Coverage: 0"

Material: PVC with stainless steel binder

**Eave Wadd Corner**

Part Number: 734900

Size: 4" h (102 mm)

Weight: 0.5lb (0.23 kg)

Exposure: 0"

Coverage: 0"

Material: PVC with stainless steel binder

**Hip Shingle**

Part Number: 734287

Size: 14" (356 mm)

Weight: 1.22lb (0.55 kg)

Exposure: 4" (102 mm)

Coverage: 0"

Material: PVC with stainless steel binder



Shipping & Storage

	Field shingle	Ceiling shingle	2" eave bend	5" eave bend	Starter shingle	Eave wadd	Hip/Ridge	Eave Corner
Quantity	14 per box	12 per box	8 per box	8 per box	25 per box	4 per box	30 per box	N/A
Weight	65lbs	65lbs	65lbs	65lbs	65lbs	30lbs	65lbs	N/A

*Weights may vary

Shipping Specifications

Box Size: 44" X 22" X 5" (1120 X 560 X 130 mm)

Pallet: 20 boxes per pallet

Container: 20' 10 pallets (200 boxes) 40' 20 pallets (400 boxes)

Storage: Store Somerset shingles in a dry, well-ventilated, weather-tight location.

Do not expose boxes to excessive moisture.

Overstacking boxes or excessive moisture may cause boxes to collapse.

Do not remove wrapping from the pallet until final placement at the installation location.

Maintenance

Somerset synthetic thatch was designed so that no maintenance is required to ensure the best performance. However, it is recommended to do an annual inspection and brush off any loose debris to keep your roof looking its best.



Warranty

Somerset synthetic thatch has a 20 year limited warranty that covers faults in materials and workmanship in accordance with current warranty terms.

Testing & Approval

- Florida Product Approval FL-21047-R2

Test Standard	Result
(Fire) ASTM E-108	Class A
(Fire) ASTM E-84	Flame Spread 12.5
(Fire) ASTM E-84	SDI 225
(Wind) ASTM D-3161	Class F (110 MPH Maximum test speed)
(Wind) TAS 107-95	110 MPH (Maximum test speed)
(Wind + Rain) TAS 100-95	Pass
(Wind Uplift) UL 1897	Design Pressure 82.5 PSF (up to 200 mph)
(Impact) UL 2218	Class 4
(Fire) Bs 476 (part 3) (British Standards)	Ext.S.AA
(Fire) BS 476 (part 7) (British Standards)	Class 2
(Fungi) ASTM G 21-96	No Fungi Growth (pass)
(Fire)GB 8624-2012 (China)	Class B1



Application

Somerset synthetic thatch is a universal system that can be installed on new construction or retrofitted to existing structures. The versatile design allows it to be applied to a number of roofing substrates including the following: Plywood deck, Concrete, and Metal. Somerset synthetic thatch is suitable for use on any sloped roof with a pitch of 3:12 (14°) or greater. The total thickness of the roof system when installed is 1" (25.4mm). Somerset shingle metal binder is available in two options:

- Painted 304 Stainless steel, (for use in all applications)
- Painted Galvanized steel, for use in non-saltwater environments (2 miles/3.2km from coast)

Substrates

Plywood Deck:

- 15/32" (12mm) minimum plywood over rafters per local code
- Single Layer Tan Soprema Elastophene Stick HR FR+ GR Cap Sheet (#07066) adhered to plywood
- Somerset shingles installed at 6.5" (165mm) Exposure
- Fasten Somerset shingles with stainless steel 1.75" (45mm) 11ga. Ring shank roofing nails, 4 per shingle
- System weight: 3.15 lbs / sq ft.(15.37 kg / M2)

Plywood Deck, Class A Fire Rated:

- 15/32"(12mm) minimum plywood over rafters per local code
- ½" DensDeck gypsum, fastened 12" O.C. fastened to plywood
- Single Layer Tan Soprema Elastophene Stick HR FR+ GR Cap Sheet(#07066) adhered to DensDeck
- Somerset shingles installed at 6.5" (165mm) Exposure
- Fasten Somerset shingles with Stainless steel 2.50" (64mm) 10ga. Ring shank Roofing nails, 4 per shingle
- System weight: 5.15 lbs / sq ft.(25.13 kg / M2)



Metal:

- Existing corrugated metal roofing
- 15/32"(12mm) minimum plywood
- Single Layer Tan Soprema Elastophene Stick HR FR+ GR Cap Sheet(#07066) adhered to plywood
- Somerset shingles installed at 6.5" (165mm) Exposure
- Fasten Somerset shingles with stainless steel 1.25" (32mm) 11ga. Ring shank roofing nails, 4 per shingle
- System weight: 4.43 lbs / sq ft.(21.61 kg / M2) using 15/32" (12mm) Plywood

Concrete:

- Structural concrete substrate
- Single Layer Tan Soprema Elastophene Stick HR FR+ GR Cap Sheet(#07066) adhered to concrete
- Somerset shingles installed at 6.5" (165mm) Exposure
- Fasten Somerset shingles with 410 stainless steel 1.75" (45mm) 3/16"Tapcon® screws, 3 per shingle
- System weight: 3.15 lbs / sq ft.(15.37 kg / M2)

Premium thatch manufactured by:
Global Innovation LLC

313 SW Windswept Glen
Lake City, Florida 32024

1-877-784-2824
www.endureed.com