



## Performance Reed Product Data Sheet

### Description

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Performance Reed authentically captures the look, color, and feel of natural reed thatching from diverse regions worldwide. Engineered with exceptional quality and durability, it's crafted to maintain its beauty and last for decades.

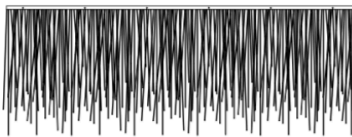
### Features

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- 20 Year Warranty
- Manufactured in the USA
- Fire and Wind Resistant
- Endureed Flame Core Technology
- No maintenance required
- Fast and easy installation
- Life-like design
- Endureed HD - Color

### Specifications

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**Field Shingle**



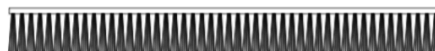
**Eave Wadd Corner**



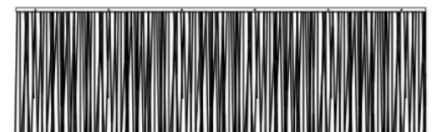
**Starter Shingle**



**Hip/Ridge**



**Eave Wadd**  
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**Ceiling Shingle** <sup>1</sup>



| <u>Part Numbers</u>     | <b>Ecru Straw</b>     | <b>Ebony Willow</b>   |
|-------------------------|-----------------------|-----------------------|
| <b>Field Shingle</b>    | SL-PV-SS-1P-51-401-FS | SL-PV-SS-1P-51-402-FS |
| <b>Starter Shingle</b>  | SL-PV-SS-1P-51-401-ST | SL-PV-SS-1P-51-402-ST |
| <b>Eave Wadd</b>        | SP-PV-4-48-51-401-EW  | SP-PV-4-48-51-402-EW  |
| <b>Eave Wadd Corner</b> | SP-PV-4-4-51-401-WC   | SP-PV-4-4-51-402-WC   |
| <b>Hip/Ridge</b>        | SL-PV-SS-1P-51-401-HR | SL-PV-SS-1P-51-402-HR |
| <b>Ceiling Shingle</b>  | SL-PV-SS-1P-51-401-CS | SL-PV-SS-1P-51-402-CS |



## Specifications

| Part                    | Size                       | Weight          | Exposure       | Coverage               | Material                            |
|-------------------------|----------------------------|-----------------|----------------|------------------------|-------------------------------------|
| <b>Field Shingle</b>    | 42"x 16" (1067mm x 406mm)  | 4.3lb (1.95kg)  | 8.5" (215.9mm) | 2.47 Sq ft (0.18 Sq M) | PVC with 304 stainless steel binder |
| <b>Starter Shingle</b>  | 42"x 6" (1067mm x 152mm)   | 2.5lb (1.13kg)  | 0"             | 3.5 LF (1066.8 mm)     | PVC with 304 stainless steel binder |
| <b>Eave Wadd</b>        | 48"x 4" (1219mm x 102mm)   | 6.2lb (2.81kg)  | 0"             | 4 LF (1219.2mm)        | PVC Reed with HDPE backer           |
| <b>Eave Wadd Corner</b> | 4" h (102mm)               | 0.5lb (0.23kg)  | 0"             | 0"                     | PVC Reed with HDPE backer           |
| <b>Hip/Ridge</b>        | 14" (356mm)                | 1.43lb (0.65kg) | 4" (102mm)     | 0"                     | PVC with 304 stainless steel binder |
| <b>Ceiling Shingle</b>  | 42" x 14" (1067mm x 356mm) | 4.5lb (2.04kg)  | 12" (304.8 mm) | 3.5 Sq ft (0.325 Sq M) | PVC with 304 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   | 51lbs         | 55lbs           | 28lbs        | 65lbs        | 51lbs           | 30lbs     | 35lbs      | N/A         |

\*Weights may vary

### Shipping Specifications

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

**Pallet:** 24 boxes per pallet

**Container:** 20' 10 pallets (240 boxes)    40' 20 pallets (480 boxes)

**Storage:** Store Performance Reed 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 bulk stack pallet until final placement at the installation location.

## Maintenance

Performance Reed was designed to require no maintenance, ensuring optimal performance. However, it is recommended to do an annual inspection and brush off any loose debris to keep your roof looking its best.

## Warranty

Performance Reed has a 20-year limited warranty that covers faults in materials and workmanship in accordance with warranty terms.



## Testing & Approval

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- Florida Product Approval FL-21047

| 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

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Performance Reed 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 plywood decks, Concrete, and Metal. Performance Reed 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).

### **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
- Performance Reed shingles installed at 8.5" (215.9mm) Exposure
- Fasten Performance Reed shingles with stainless steel 1.75" (45mm) 11ga. Ring shank roofing nails, 4 per shingle

### **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
- Fasten Performance Reed shingles with Stainless steel 2.50" (64mm) 10ga. Ring shank Roofing nails, 4 per shingle

### **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
- Performance Reed shingles installed at 8.5" (215.9mm) Exposure
- Fasten Performance Reed shingles with stainless steel 1.25" (32mm) 11ga. Ring shank roofing nails, 4 per shingle

### **Concrete:**

- Structural concrete substrate
- Single Layer Tan Soprema Elastophene Stick HR FR+ GR Cap Sheet(#07066) adhered to concrete
- Performance Reed shingles installed at 8.5" (215.9mm) Exposure
- Fasten Performance Reed shingles with stainless steel 1.75" (45mm) Concrete screws, 3 per shingle



Endureed Performance thatch manufactured by:  
Global Innovation LLC

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Lake City, Florida 32024

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