



## Polymeric Shake Tile Roof System

### DESCRIPTION

Seneca Shake™ tiles are a rubber and plastic based roofing tile designed to provide a cedar shake look to the roof. Seneca Shake tiles are manufactured with a state of the art formulation using recycled polyolefin polymers.

Seneca Shake tiles come in 6", 9" and 12" widths. Seneca Shake tiles are 19" long and 3/8" nominal thickness. Seneca Shake tiles are available in eleven (11) colors and an array of custom colors.

### INSTALLATION

It is recommended that Seneca Shake tiles be installed by professional roofing applicators to ensure a quality installation.

The following are simplified steps for installing Seneca Shake tiles. **Please refer to the Seneca Shake System Installation Guide for specifics of installation.**

1. An approved deck is covered with EcoStar's **Glacier Guard™** where specified and either EcoStar's **Aqua Guard™** and/or **GAF VersaShield®** underlayment as needed per building code requirements.
2. Beginning at roof eave a row of Seneca Shake tiles is installed as a starter row.
3. Place another row of tiles directly over the starter row, covering the tile gap with a full tile.
4. Using the measurement lines begin installing tiles per specified pattern.

### ADVANTAGES

Seneca Shake provides the look of wood shake with these added advantages:

- High impact resistance providing protection from hail, falling branches, foot traffic, ice and snow damage.
- The color in Seneca Shake tiles has been added during formulation providing for color throughout the product. As with all roofing products, natural weathering will occur.
- EcoStar provides warranties for Seneca Shake tiles for up to 50 years.

### LIMITATIONS

**Color Variation – All Seneca Shake Tiles come with shade variation.**

This shade variation may occur differently from pallet to pallet. Application of the product should not begin until all material has been delivered to the project site. Because of this shade variation the applicator must take precautions to ensure that the various shades of the product are properly blended. Tiles must be taken from different pallets and bundles to ensure consistency in application. **NOTE: EcoStar will not be responsible for the improper blending and application of the product. Contact EcoStar Customer Service for available factory blended options.**

Natural weathering will produce further shade variations, even in tiles appearing to be identical in color when new.

**Temperature** – If tiles have been stored in temperatures below 45° F, it is required that the tiles be brought back to an ambient material temperature above 45° F before installation.

**Substrate** – Seneca Shake tiles should only be installed on a minimum of 1/2" plywood, minimum 7/16" OSB or minimum 3/4" tongue and groove wood decking. Seneca Shake tiles should not be applied over existing roof materials. Existing roof materials must be removed down to the deck, prior to installation.

**Slope** – Seneca Shake tiles are not recommended for slopes less than 3/12. On roofs less than 6/12 and greater than 3/12, Seneca Shake tiles must be installed with a 7" exposure. On roofs slopes 6/12 or greater Seneca Shake tiles may be installed with either a 7" or 8" exposure.

**Underlayment** – Prior to installation, **Glacier Guard™** underlayment should be applied to all rakes, valleys, ridges, hips, eaves and any protrusions. **Aqua Guard™** is then applied over the remaining deck surface. For Class A fire rated assembly, **VersaShield®** should be used instead of **Aqua Guard™** and should cover the entire roof deck, including the areas covered by **Glacier Guard™**.

**Fasteners** – Fasteners must be ring shank stainless steel. **EcoStar Fasteners** are available in either hand drive style or pneumatic coil.

**Ventilation** – Roof venting should be installed at the same time as the ridge tiles are being installed. EcoStar's **EcoVent™** ridge venting is recommended for quality attic ventilation and an improved aesthetic appearance of the EcoStar roof system.

### PRODUCT SPECIFICATIONS

FORMULATION		
Materials	Thermoplastic Olefin	
PRODUCT CHARACTERISTIC		
Length	in.	19
Width	in.	6, 9, 12
Thickness	in.	3/8 (nominal)
PHYSICAL PROPERTIES		
Operating Range	°F	-25° to 200°
Tensile (D-412)	psi	500
Water Absorption (D-570)	0% by wt.	
PACKAGING INFORMATION		
Tiles per bundle	36	
Weight per bundle	lbs.	47
Bundles per pallet	40	
Weight per pallet	lbs.	1880
APPLICABLE STANDARDS		
UL Listed 790 Fire Resistance	Class A and C ratings are available	
UL Listed 2218 Impact Resistance	Class 4	
Texas Department of Insurance	Listed RC-135	
Miami-Dade	Listed NOA 12-0514.12	

### WARRANTIES

EcoStar warrants this product to be free of defects in workmanship and materials at the time of shipment from EcoStar's factory. EcoStar will at its option either supply new product or refund the purchase price of any product found to be defective hereunder.

**EcoStar's limited warranties are the only warranties extended by EcoStar with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. EcoStar specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.\***

The dollar value of EcoStar's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the EcoStar material in question.

\*See [www.ecostarllc.com](http://www.ecostarllc.com) for available warranties.



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