



## Polymeric Shake Tile Roof System

### DESCRIPTION

Majestic Niagara Shake™ a rubber and plastic-based Class C roof tile designed to provide the look of natural cedar shake. Majestic Niagara Shake tiles are manufactured with a state of the art formulation using recycled polyolefin polymers.

Majestic Niagara Shake tiles come in 7" (178 mm), 8" (203 mm), 9" (229 mm) and 10" (254 mm) widths. Majestic Niagara Shake tiles are 22" (559 mm) long, 3/4" (19 mm) nominal thickness, and are available in eleven (11) standard colors.

### ADVANTAGES

Majestic Niagara 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 Majestic Niagara 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 Majestic Niagara Shake tiles for up to 50 years.

### INSTALLATION

**Temperature** – If tiles have been stored in temperatures below 45°F (7°C), they must be restored to a temperature above 45°F (7°C) before installation. Ambient temperature should be at least 34°F (1°C) and rising.

**Substrate** – Majestic Niagara Shake should only be installed on a minimum of 15/32" (12 mm) plywood decking, 7/16" (11 mm) OSB or minimum 3/4" (19 mm) tongue and groove decking with end gaps not exceeding 1/4" (6 mm). Contact the technical department for approved alternatives. Under all circumstances, existing roof materials must be removed down to the deck, prior to installation.

**Slope** – Majestic Niagara Shake is not recommended for slopes less than 3/12 (14°). On roofs less than 6/12 (27°) Majestic Niagara Shake must be installed with a 9" (229 mm) exposure. On roofs slopes 6/12 (27°) or greater, Majestic Niagara Shake may be installed with either a 9" (229 mm) or 10" (254 mm) 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.

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

**Color Variation** – All Majestic Niagara Shake tiles come with shade variation. EcoStar tiles that have been ordered and supplied to the job site under one EcoStar sales order number are blended at the factory and do not need to be blended on site before installation. It is always the responsibility of the applicator to make frequent inspections from the ground or other vantage point to ensure that random shading occurs. EcoStar will not be held responsible for correcting the appearance of non-random installations. Roofers must inspect the roof frequently to prevent customer dissatisfaction.

NOTE: If EcoStar tiles have been supplied to the job site under two or more EcoStar sales order numbers, all tiles must be blended together on site before installation. Specific blending instructions can be found at [www.ecostarllc.com](http://www.ecostarllc.com) on the "Resource Library" page. EcoStar will not be held responsible for correcting the appearance of unblended installations.

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

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

**Please refer to the Majestic Niagara Shake Installation Guide for specifics of installation.**

### PRODUCT SPECIFICATIONS

PRODUCT CHARACTERISTIC	
Length	22" (559 mm)
Width	7" (178 mm)
	8" (203 mm)
	9" (229 mm)
	10" (254 mm)
Thickness	3/4" (19 mm)
PACKAGING INFORMATION	
Tiles per bundle	24
Weight per bundle	32 lbs. (14.5 kg)
Bundles per pallet	40
Weight per pallet	1,280 lbs. (581 kg)
Linear feet per bundle	17 ft. (5.18 m)
FORMULATION	
Materials	Thermoplastic Olefin
PHYSICAL PROPERTIES (Typical)	
Operating Range	-25°F to 200°F (-32°C to 93°C)
Tensile (D-412)	1,500 psi (10,342 kpa)
Water Absorption (D-570)	0% by wt.
APPLICABLE STANDARDS	
UL Listed 790 Fire Resistance	Class C
UL 2218 Impact	Class 4

### 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.



42 Edgewood Drive | Holland, NY 14080 | Tel: 800.211.7170 | [www.ecostarllc.com](http://www.ecostarllc.com)

PRODUCT TECHNICAL DATA