Niagara Slate Hip & Ridge

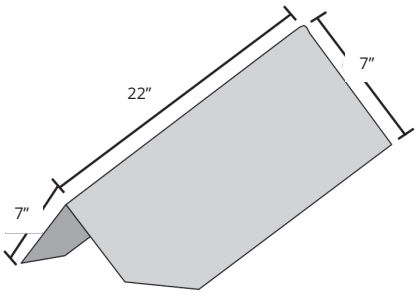
Class A and Class C Polymeric Tile Roof System

PRODUCT TECHNICAL DATA

DESCRIPTION

Niagara Slate Hip & Ridge tile is designed to provide the look of natural slate on the ridge and hip portions of the roof. Used in conjunction with all Niagara Slate roofing tiles, Niagara Slate Hip & Ridge is manufactured from post-industrial recycled materials to provide the look of natural stone slate.

Niagara Slate Hip & Ridge is 14" (356 mm) wide, 22" (559 mm) long and 1/4" (6 mm) nominal thickness and is available in 14 standard colors, multiple color blends and custom colors.



ADVANTAGES

Niagara Slate Hip & Ridge provides the look of natural slate with these added advantages:

- High impact resistance that provides protection from hail, falling branches, foot traffic, ice and snow damage.
- The color in Niagara Slate Hip & Ridge has been added during formulation providing for color throughout the product. As with all roofing products, natural weathering will occur.
- EcoStar provides warranties 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 – Niagara Slate should only be installed on a minimum of 1/2" (13 mm) plywood, minimum 7/16" (11 mm) OSB or minimum 3/4" (19 mm) tongue and groove wood decking. Niagara Slate should not be applied over existing roof materials. Existing roof materials must be removed down to the deck, prior to installation.

Exposure – Niagara Slate Hip & Ridge tiles can be installed with a maximum 9" (228.6 mm) exposure.

Fasteners – Fasteners must be ring shank stainless steel. EcoStar Fasteners for Niagara Slate Hip & Ridge tiles are available in hand drive style in 2 ½" (64 mm) length.

Color Variation – All EcoStar 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 to ensure every bundle has the correct color percentages and equal tile widths. EcoStar recommends that the installing contractor work amongst several bundles and randomly pull tiles from each bundle to ensure that random shading occurs. It is always the responsibility of the applicator to make frequent inspections from the ground or other vantage points to ensure that random shading occurs. 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 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 – Ventilation is recommended but not required for an EcoStar roof assembly. EcoStar advises that a ridge style venting system be utilized to ensure the best possible air movement for the benefit of deck substrate and to provide the best aesthetic appearance to the roof system. If a ridge ventilation system is not used on the project, another form of ventilation may be used.

NOTE: If a ridge vent is specified in the design of an EcoStar roof assembly with roof slopes between 3/12 and 12/12 and is attempting to achieve a Gold Star Warranty, EcoStar requires the use of EcoVent. Please refer to EcoStar EcoVent installation guidelines for further detail. For roof slopes less than 3/12 or greater than 12/12, another form of ventilation may be used, including but not limited to a ridge vent.

Please refer to the EcoStar Roof Tile Installation Guide for specifics of installation.

WARRANTIES

EcoStar warrants this product to be free of defects in workmanship and materials at the time of shipment from EcoStar's factory. See www.ecostarllc.com for available warranties.

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PRODUCT TECHNICAL DATA

PRODUCT SPECIFICATIONS

	Hip & Ridge Tile
PRODUCT CHARACTERISTICS	
Length	22" (559 mm)
Width	14" (356 mm)
Nominal Thickness	1/4" (6 mm)
PACKAGING INFORMATION	
Tiles per bundle	10
Weight per bundle:	
Class C	21 lbs. (9.52 kg)
Class A	24 lbs. (10.89 kg)
Bundles per pallet	65
Weight per pallet:	
Class C	1,365 lbs. (619.15 kg)
Class A	1,560 lbs. (707.6 kg)
Linear feet per bundle	7.5 ft. (2.29 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.

EcoStar LLC | 42 Edgewood Drive | Holland, NY 14080 | 800.211.7170 | www.ecostarllc.com

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P/N–606823 Niagara Slate Hip & Ridge Product Data Sheet. This data sheet, effective 07/21/2026 supersedes all previous versions.