



Empire Shake Hip & Ridge

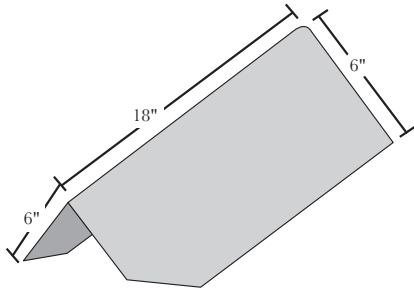
Polymeric Shake Tile Roof System

PRODUCT TECHNICAL DATA

DESCRIPTION

Empire Shake Hip & Ridge is a polymer based ridge tile designed to provide the look of natural cedar shake on the ridge and hip portions of the roof. Used in conjunction with all Empire Shake roofing tiles, Empire Shake Hip & Ridge is manufactured with a state of the art formulation using virgin and recycled polyolefin polymers.

Empire Shake Hip & Ridge is 12" (305 mm) wide, 18" (457 mm) long and 1/4" (6 mm) nominal thickness, and is available in fourteen (14) standard colors.



ADVANTAGES

Empire Shake Hip & Ridge provides the look of natural shake with these added advantages:

- High impact resistance that provides protection from hail, falling branches, foot traffic, ice and snow damage.
- The color in Empire Shake 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 Empire Shake Hip & Ridge 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 – Empire Shake 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. Empire Shake should not be applied over existing roof materials. Existing roof materials must be removed down to the deck, prior to installation.

Exposure – Hip & Ridge tiles are always installed with a 6" exposure.

Fasteners – Fasteners must be ring shank stainless steel. **EcoStar Fasteners** for Hip & Ridge tiles are available in hand drive style in 2" (51 mm) and 2 1/2" (64 mm) lengths.

Color Variation – All Empire Shake Hip & Ridge 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 onsite 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 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 – The use of ridge venting systems is highly recommended. Mushroom cap style vents may be used, but ridge venting provides better venting and improves the aesthetic appearance of the roof system.

Please refer to the Empire Shake Installation Guide for specifics of installation.

PRODUCT SPECIFICATIONS

PRODUCT CHARACTERISTICS	
Length	18" (457 mm)
Width	12" (305 mm)
Nominal Thickness	1/4" (6 mm)
PACKAGING INFORMATION	
Tiles per bundle	10
Weight per bundle	17 lbs. (7.71 kg)
Bundles per pallet	100
Weight per pallet	1,700 lbs. (771 kg)
Linear feet per bundle	5 ft. (1.52 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.

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.