Aspen Blend & Shake Plus

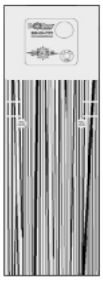
Class A and Class C Polymeric Tile Roof System

PRODUCT TECHNICAL DATA

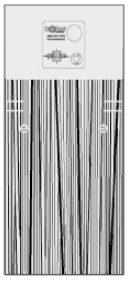
DESCRIPTION

Aspen Blend Shake and Shake Plus are natural-looking synthetic roofing tiles manufactured from post-industrial recycled materials to provide the look of natural wood shake.

Aspen Blend refers to a mixture of 2/3 Traditional Shake and 1/3 Shake Plus (Class A only). Aspen Blend and Shake Plus tiles come in 6" (152 mm), 9" (229 mm) and 12" (305 mm) widths. Aspen Blend tiles are 20" (508 mm) long, and either 3/8" (10 mm) – Traditional Shake – or 3/4" (19 mm) – Shake Plus – nominal thickness, and are available in 14 standard colors, multiple color blends and custom colors.



6" (152 mm)



9" (229 mm)

12" (305 mm)

ADVANTAGES

Aspen Blend Shake and Shake Plus provide 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 Traditional Shake 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 – Aspen Blend Shake and Shake Plus 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. Aspen Blend Shake and Shake Plus should not be applied over existing roof materials. Existing roof materials must be removed down to the deck, prior to installation.

Slope – Aspen Blend Shake and Shake Plus are not recommended for roof slopes below 3/12 (14˚). For slopes greater than 3/12 (14˚) but less than 4/12 (18˚), both products must be installed with a 7" (178 mm) exposure. On slopes from 4/12 (18˚) up to but less than 6/12 (27˚), they may be installed with either a 7" (178 mm) or 8" (203 mm) exposure. For slopes 6/12 (27˚) or greater, Aspen Blend Shake and Shake Plus may be installed with a 7" (178 mm), 8" (203 mm), or 9" (229 mm) exposure.

Underlayment – Glacier Guard™ or equal must be applied to all eaves, rake edges, hips, valleys, ridges and protrusions. If a Class C roof system has been specified, cover the remaining exposed deck with Aqua Guard™ or equal. If a Class A roof has been specified, GAF VersaShield® or GP Gypsum Corporation DensDeck® roof board or equal may be used. If VersaShield is used, it must be applied over the entire roof deck, after the installation of the Glacier Guard. Gold Star Warranty requires the use of the above-mentioned EcoStar specified products.

Fasteners – Fasteners must be ring shank stainless steel. EcoStar fasteners are available in both hand-drive and pneumatic coil options. Aspen Blend Shake and Shake Plus tiles require a minimum of 1½" EcoStar Stainless Steel Ring Shank Nails for proper installation.

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

	Aspen Blend Shake	Shake Plus
PRODUCT CHARACTERISTICS		
Length	20" (508 mm)	
Width	6" (152 mm), 9" (229 mm), 12" (305 mm)	
Nominal Thickness	3/8" (10 mm)	3/4" (19 mm)
PACKAGING INFORMATION		
Tiles per bundle	Shake: 16, Shake Plus: 8	24
Weight per bundle	39 lbs. (17.69 kg)	50 lbs. (22.68 kg)
Bundles per pallet	48	36
Weight per pallet	1,875 lbs. (850 kg)	1,800 lbs. (853 kg)
Linear feet per bundle	18 ft. (5.49 m)	18 ft. (5.49 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 A	
UL 2218 Impact	Class 4	
Texas Department of Insurance	Listed	
Miami-Dade	Listed	

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

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P/N–606820 Aspen Blend and Shake Plus Product Data Sheet. This data sheet, effective 11/07/2025 supersedes all previous versions.