




**TECHNICAL DETAILS**

<b>WEIGHT/SQUARE</b> 275 lbs. 124.8 kg	<b>EXPOSURE</b> 5 <sup>5</sup> / <sub>8</sub> " 142.9 mm
<b>SHINGLES/SQUARE</b> 64 4 bundles/square	<b>GRANULE ADHESION</b> 0.35 g Typical Results
<b>WIDTH ± 1/8"</b> 13 <sup>1</sup> / <sub>4</sub> " 337 mm	<b>LENGTH ± 1/4"</b> 40" 1.02 m
<b>SQUARES/PALLET</b> 12	

**TEST COMPLIANCE**

<b>ASTM</b> D7158 Class H	<b>ASTM</b> D3462
<b>ASTM</b> D3161 Class F	<b>ASTM</b> D3018 Type I
<b>ASTM</b> E108 Class A Fire Rating	<b>UL RATING</b> 2218 Class 4
<b>CSA</b> A123.5	<b>ICC APPROVAL</b> ESR-3150
<b>FBC APPROVAL</b> #14809	
	
<b>CEC</b> Title 24, Part 6 Compliant	

See page 2 for solar reflectance technical data.

**FEATURES & BENEFITS**

- Solar Reflective Shingles
- Scotchgard™ Protection from 3M
- Extreme Weather Protection
- Superior Granular Embedment
- Flexor™ SBS Polymer Modified Asphalt
- The Zone® Nailing Area
- All-Weather Flexibility
- Double Rain Seal Protection
- Limited Lifetime Shingle Warranty
- Limited & Enhanced Wind Warranties

**FLEXOR™ SBS POLYMER MODIFIED LAMINATED SOLAR REFLECTIVE SHINGLES**



**PRODUCT USE**

Ecoasis™ Premium is a solar reflective, laminated asphalt shingle used whenever increased flexibility, architectural design, tensile strength, and tear-resistance in shingles is desired. It is fortified with Flexor™ SBS polymer modified asphalt technology for extreme weather protection and includes the Scotchgard™ Algae Resistant Shingle Protector warranty from 3M. Ecoasis™ Premium features the exclusive nailing accuracy-enhancing design of The Zone®. The larger nailing area of The Zone® dramatically improves correct fastener placement. Ecoasis™ Premium shingles meet the required reflectance to be designated with some of the industry's leading energy conservation standards: ENERGY STAR, CRRC listing, and California Energy Code Title 24, Part 6 compliance. Please consult Malarkey's Technical Services Department for approval of roof systems.

**COMPOSITION & MATERIALS**

Ecoasis™ Premium is manufactured on a woven fiberglass mat and impregnated on both sides with Flexor™ SBS polymer modified asphalt that is compounded with a fire-retardant mineral stabilizer. Ecoasis™ Premium is surfaced with embedded, Scotchgard™ algae resistant granules.

**APPLICATION**

Shingles should be applied over a Malarkey underlayment or an approved, code-compliant substitute. Installation instructions are available on the shingle wrapper, at [WWW.MALARKEYROOFING.COM](http://WWW.MALARKEYROOFING.COM), or by contacting your local Malarkey representative. Industry standards are found in NRCA manuals. Shingles should be attached to decking with approved fasteners, and Malarkey recommends the use of corrosion-resistant nails for this purpose. Staples are not allowed.

**PRECAUTION**

For best results, Malarkey recommends Ecoasis™ Premium be protected from the weather and stored in a cool, dry, well-ventilated area until applied. Do not double-stack pallets. Do not use on roofs where the slope is less than 2:12 (2" [51 mm] per 12" [305 mm]). For slopes 2:12 up to 4:12 (4" [102 mm] per 12" [305 mm]), additional deck protection is required. Ecoasis™ Premium has a factory-applied self-sealing strip that activates in warm weather. When applied in cold weather or windy locations, hand-sealing is recommended but not required if sealant activates. In high wind areas and on slopes greater than 12" (305 mm) per 12" (305 mm), hand-sealing underneath and six nails are required. Contact Malarkey for further conditions and instructions.

**WARRANTY**

Malarkey Roofing Products® offers various warranties to meet specific requirements. The warranty packages available for Ecoasis™ Premium include a Limited Lifetime Warranty, a 110 mph (177 kph) Limited Wind Warranty, and can be combined with other Malarkey products for a 130 mph (209 kph) Enhanced Wind Warranty. Ecoasis™ Premium also carries a 20-year Scotchgard™ warranty against algae growth. Contact your roofer, local distribution center, or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

Ecoasis™ Premium and other Malarkey products are available throughout North America and Pacific Rim countries.

Visit [WWW.MALARKEYROOFING.COM](http://WWW.MALARKEYROOFING.COM) for additional product information and availability.

Note: Malarkey Roofing Products® (Malarkey) Inventory SKU number for this product: 283 Ecoasis™ Premium featuring the Scotchgard™ Algae Resistant Shingle Protector from 3M

**TECHNICAL ASSISTANCE:**

Malarkey has technical services assistance available. Contact Malarkey for details: Call weekdays 7:00 am to 5:00 pm PST, at 800.545.1191 or 503.283.1191. [technicalinquiries@malarkeyroofing.com](mailto:technicalinquiries@malarkeyroofing.com)

**CORPORATE OFFICE:**

3131 N. Columbia Blvd. Telephone: 503.283.1191  
Portland, OR 97217-7472 or 800.545.1191  
P.O. Box 17217 Fax: 503.289.7644  
Portland, OR 97217-0217



**FLEXOR™ SBS POLYMER MODIFIED  
SOLAR REFLECTIVE SHINGLES**

**SOLAR REFLECTANCE TECHNICAL DATA**

Ecoasis™ Premium is listed with the Cool Roof Rating Council. Ecoasis™ Premium has tested to these radiative property values:



*Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.*

*Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.*

	ECOASIS™ PREMIUM (AGAVE)		ECOASIS™ PREMIUM (MESQUITE)		ECOASIS™ PREMIUM (TUMBLEWEED)	
	INITIAL	WEATHERED	INITIAL	WEATHERED	INITIAL	WEATHERED
<b>SOLAR REFLECTANCE</b>	0.27	0.25	0.28	0.26	0.26	0.26
<b>THERMAL EMITTANCE</b>	0.92	0.96	0.93	0.97	0.93	0.94
<b>SOLAR REFLECTIVE INDEX (SRI)</b>	29	28	31	30	28	28
Related Product ID Licensed Manufacturer ID: 0850 Classification: Production Line	0850-0020		0850-0018		0850-0019	



*Energy Star is only recognized in the U.S., not in Canada.*