


TECHNICAL DETAILS

WEIGHT/SQUARE 242 lbs. 109.8 kg	EXPOSURE 5 ⁵ / ₈ " 142.9 mm
SHINGLES/SQUARE 64 4 bundles/square	GRANULE ADHESION 0.45 g Typical Results
WIDTH ± 1/8" 13 ¹ / ₄ " 337 mm	LENGTH ± 1/4" 40" 1.02 m
SQUARES/PALLET 12	

TEST COMPLIANCE

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

See page 2 for solar reflectance technical data.

FEATURES & BENEFITS

- Solar Reflective Shingles
- Superior Granular Embedment
- The Zone® Nailing Area
- Double Rain Seal Protection
- Limited Lifetime Shingle Warranty
- Limited & Enhanced Wind Warranties

LAMINATED SOLAR REFLECTIVE SHINGLES



PRODUCT USE

Ecoasis™ Sol is a solar reflective, laminated asphalt shingle used whenever increased flexibility, architectural design, tensile strength, and tear-resistance in shingles is desired. Ecoasis™ Sol features the exclusive nailing accuracy-enhancing design of The Zone®. The larger nailing area of The Zone® dramatically improves correct fastener placement. Ecoasis™ Sol 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™ Sol is manufactured on a woven fiberglass mat and impregnated on both sides with bitumen (asphalt) that is compounded with a fire-retardant mineral stabilizer. Ecoasis™ Sol is surfaced with embedded ceramic granules for ultraviolet protection and weatherability.

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, 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™ Sol 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™ Sol 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™ Sol carry 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. Contact your roofer, local distribution center, or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

Ecoasis™ Sol and other Malarkey products are available throughout North America and Pacific Rim countries. Visit WWW.MALARKEYROOFING.COM for additional product information and availability.

Note: Malarkey Roofing Products® (Malarkey) Inventory SKU number for this product: 280 Ecoasis™ Sol

Effective 5/15
Supersedes all previously published data
Check for most current version on our website.

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

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



SOLAR REFLECTIVE SHINGLES

SOLAR REFLECTANCE TECHNICAL DATA

Ecoasis™ Sol is listed with the Cool Roof Rating Council. Ecoasis™ Sol 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™ SOL (ADOBE)		ECOASIS™ SOL (AGAVE)		ECOASIS™ SOL (MESQUITE)		ECOASIS™ SOL (TUMBLEWEED)	
	INITIAL	WEATHERED	INITIAL	WEATHERED	INITIAL	WEATHERED	INITIAL	WEATHERED
SOLAR REFLECTANCE	0.28	0.26	0.25	0.25	0.28	0.26	0.26	0.25
THERMAL EMITTANCE	0.91	0.96	0.92	0.96	0.89	0.96	0.91	0.97
SOLAR REFLECTIVE INDEX (SRI)	30	29	26	28	29	29	27	28
Related Product ID Licensed Manufacturer ID: 0850 Classification: Production Line	0850-0012		0850-0015		0850-0010		0850-0017	



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

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