




TECHNICAL DETAILS

WEIGHT/SQUARE 242 lbs. 109.8 kg	EXPOSURE 5 ⁵ / ₈ " 143 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 from CA	

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
	
	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™ Costa is a solar reflective, laminated asphalt shingle that features the exclusive nailing accuracy-enhancing design of The Zone®. The larger nailing area of The Zone® dramatically improves correct fastener placement. Ecoasis™ Costa shingles meet the required reflectance to be listed and compliant with some of the industry's leading energy conservation standards: the Cool Roof Rating Council and California Energy Code Title 24, Part 6. Please consult Malarkey's Technical Services Department for approval of roof systems.

COMPOSITION & MATERIALS

Ecoasis™ Costa 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™ Costa is surfaced with colored, 3M™ Cool Roofing Granules for increased solar reflectance and thermal emittance.

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™ Costa 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™ Costa 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. On slopes greater than 21" (533 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™ Costa 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. Contact your roofer, local distribution center, or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

Ecoasis™ Costa 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: 281 Ecoasis™ Costa

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



LAMINATED SOLAR REFLECTIVE SHINGLES

SOLAR REFLECTANCE TECHNICAL DATA

Ecoasis™ Costa is listed with the Cool Roof Rating Council. Ecoasis™ Costa 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™ COSTA (BRONZED MESA)		ECOASIS™ COSTA (COPPER OASIS)		ECOASIS™ COSTA (FROSTED GRANITE)		ECOASIS™ COSTA (WILLOW WOOD)	
	INITIAL	WEATHERED	INITIAL	WEATHERED	INITIAL	WEATHERED	INITIAL	WEATHERED
SOLAR REFLECTANCE	0.21	Pending	0.20	Pending	0.22	Pending	0.20	Pending
THERMAL EMITTANCE	0.92	Pending	0.92	Pending	0.91	Pending	0.92	Pending
SOLAR REFLECTIVE INDEX (SRI)	21	Pending	20	Pending	22	Pending	20	Pending
Related Product ID Licensed Manufacturer ID: 0850 Classification: Production Line	0850-0025		0850-0027		0850-0026		0850-0028	

Effective 10/15
Supersedes all previously published data
Check for most current version on our website.

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