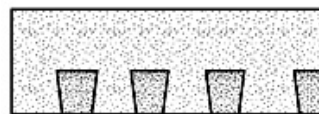


Landmark® TL Solaris Shingles

PRODUCT INFORMATION:

The Landmark® TL Solaris innovative technology produces a shingle that reflects solar energy in a traditional color palette. All colors are rated by Cool Roof Rating Council (CRRC) and can be used to comply with California Title 24 Part 6 Cool Roof Requirements and LA County Title 31 Steep Slope Residential cool roof provisions. These shingles are constructed using three laminated layers of the industry's most durable materials, providing a dramatically thick roofing product styled with the classic appeal of wood shakes. The overall dimensions of this shingle are 13 1/4" x 40". It is designed to resist blow off in high wind conditions up to 110-mph with normal installation and 130-mph with special installation.



Colors: Please refer to product brochure or CertainTeed website for the colors available in your region.

Color	Solar Radiative Properties						
	CRRC Product ID#	Solar Reflectance		Thermal Emittance		Solar Reflective Index	
		Initial	Aged	Initial	Aged	Initial	Aged
Country Gray	0668-0149	0.21	0.22	0.92	0.93	21	23
Moire Black	0668-0148	0.19	0.20	0.93	0.93	19	20
Platinum	0668-0147	0.21	0.21	0.93	0.93	22	22

Limitations: It is recommended to apply these shingles at slopes of 4" per foot and greater in order to achieve optimum appearance. Low slope applications (2:12 to < 4:12) require CertainTeed's WinterGuard® Waterproofing Shingle Underlayment, or its equivalent meeting ASTM D1970, to be applied to the entire deck surface, according to application instructions provided with the product and on the shingle package. In areas where icing along the eaves can cause the back-up of water (all slopes); apply WinterGuard, or its equivalent, according to application instructions provided with the product and on the shingle package.

Product Composition: Landmark TL Solaris shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules with high solar reflectance are tightly embedded in carefully refined, water-resistant asphalt. Three pieces of the shingle are firmly laminated together in a special, tough asphaltic cement. All Landmark TL Solaris shingles have self-sealing adhesive strips.

Applicable Standards:

ASTM D3018 Type 1
ASTM D3462
ASTM E108 Class A Fire Resistance
ASTM D3161 Class F Wind Resistance
ASTM D7158 Class H Wind Resistance

ICC-ES ESR-1389
UL 790 Class A Fire Resistance
Florida Product Approval # FL5444
Meets TDI Windstorm Requirements

Technical Data:

Weight/Square (approx.): 305 lb.
Dimensions (overall): 13 1/4" x 40"
Shingles/Square: 64
Weather Exposure: 5-5/8"

INSTALLATION

Detailed installation instructions are supplied on each bundle of Landmark TL Solaris shingles and must be followed. Separate application sheets may also be obtained from CertainTeed.

Hips and Ridges: For a complementary color, use CertainTeed's enhanced high profile accessory shingle, Mountain Ridge®, of a like color name for capping with hips and ridges.

MAINTENANCE

Landmark TL Solaris shingles do not require maintenance when installed according to manufacturer's application instructions. However, to protect the investment, any roof should be routinely inspected at least once a year. Older roofs should be looked at more frequently.

WARRANTY

Landmark TL Solaris shingles carry a lifetime limited, transferable warranty against manufacturing defects. In addition, all Landmark TL Solaris shingles carry 10-year SureStart™ Protection. For specific warranty details and limitations, refer to the warranty itself (available from the local supplier, roofing contractor or on-line at www.certainteed.com).

TECHNICAL SUPPORT

Technical Service Department: 800-345-1145
e-mail: RPG.T.Services@saint-gobain.com

FOR MORE INFORMATION

Customer Experience Team: 800-233-8990
e-mail: gethelp@saint-gobain.com
Web site: www.certainteed.com