



DURO-LAST® EV MEMBRANE

Product Environmental Profile

Duro-Last® EV membrane is an excellent choice for low-slope roof projects requiring a long lasting, energy efficient roofing product. A complete line of custom prefabricated accessories is available for the Duro-Last EV 50 mil and 60 mil membranes. The Duro-Last EV membrane incorporates a weft-inserted knitted scrim to provide exceptional strength and waterproofing.

Environmental Facts:

 <p>POST-INDUSTRIAL RECYCLING Up to 100% recyclable. Post-industrial scrap from the manufacturing of Duro-Last EV is recycled into concrete expansion joints.</p>	 <p>GREEN CODES Complies with California Title 24, IgCC, and efficiency programs requiring the use of a highly reflective roof membrane.</p>
 <p>END-OF-LIFE RECYCLING Mechanically fastened membranes can be taken back and recycled into new products.</p>	 <p>SOLAR READY Is solar ready with low-maintenance custom fabricated flashings which are ideal for any rack-mounted commercial rooftop solar application.</p>
 <p>ENERGY EFFICIENT Duro-Last EV white reflective roofs, when designed and installed properly, can help increase energy efficiency, especially during periods of peak demand.</p>	 <p>SUSTAINABILITY CERTIFICATION The Duro-Last EV membrane is NSF 347 gold certified as a more durable, energy efficient, and sustainable, single-ply membrane product.</p>

Duro-Last membranes are tested for radiative properties by the Cool Roof Rating Council.

Cool Roof Rating Council (CRRC)						
	Solar Reflectance		Thermal Emittance		Solar Reflective Index (SRI)	
	Initial	3-Year	Initial	3-Year	Initial	3-Year
White	0.86	Pending	0.89	Pending	108	Pending



Product Environmental Profile: Duro-Last EV

The Duro-Last EV roofing system can help buildings obtain credits under the U.S. Green Building Council's LEED® (Leadership in Energy and Environmental Design) rating system, as well as GBI's (Green Building Institute) Green Globes certification. Both programs promote sustainable building management and construction practices.

LEED® Contributions (version 4)			
Program	Category	Credit	Contribution
LEED Design & Construction	Sustainable Sites	SSc5: Heat island reduction	Initial Solar Reflective Index white membrane: 108 Duro-Last EV roofs can also be installed under a vegetative roof.
	Energy & Atmosphere	EAc2: Optimize energy performance	Cool roofs can help reduce heating and cooling loads which reduces building energy consumption.
	Materials & Resources	MRc1: Building life-cycle impact reduction	The Duro-Last EV life-cycle assessment (LCA) is featured in the Athena Sustainable Materials Institute's Building Impact Estimator so project teams can easily model a whole building LCA
		MRc2: Building product disclosure & optimization - environmental product declaration	Duro-Last EV has a 3rd party verified environmental product declaration (EPD), which is valued as one whole product.
		MRc3: Building product disclosure & optimization - sourcing of raw materials	Duro-Last offers a take-back program so old roofs can be recycled into new product.
LEED O+M: Existing Buildings	Sustainable Sites	SSc3: Heat island reduction	Initial Solar Reflective Index white membrane: 108 Duro-Last EV roofs can also be installed under a vegetative roof.
	Energy & Atmosphere	EAc4: Optimize energy performance	Cool roofs can help reduce heating and cooling loads which reduces building energy consumption.
	Materials & Resources	MRc3: Purchasing - facility maintenance & renovation	Duro-Last offers a take-back program so old roofs can be recycled into new product.
		MRc5: Solid waste management - facility maintenance & renovation	Duro-Last offers a take-back program so old roofs can be recycled into new product to help increase the project's waste diversion rate. and can be recycled into concrete expansion joints.
Pilot Credit		Certified multi-attribute products & materials	Duro-Last EV is NSF/ANSI 347 Gold certified, and has achieved two points in credit 5.2.2

Green Globes® Contributions (version 2.2)			
Program	Category	Credit	Contribution
Green Globes New Construction	3.2.2 Ecological Impacts	3.2.2.4 Heat island effect	Initial Solar Reflective Index white membrane: 108 Duro-Last EV roofs can also be installed under a vegetative roof.
	3.5.1 Building Core & Shell	3.5.1.1 Path A: Performance path for building core & shell	The Duro-Last EV LCA is featured in the Athena Sustainable Materials Institute's Building Impact Estimator so project teams can easily model a whole building LCA
		3.5.1.2 Path B: Prescriptive path for building core & shell	Duro-Last EV is NSF/ANSI 347 gold certified, and has a brand specific 3rd-party verified EPD to comply with this credit.
	3.5.6 Resource Conservation	3.5.6.1 Minimized use of raw materials	Custom fabricated accessories help reduce waste created onsite.
	3.5.7 Building Envelope – Roofing/ Openings	3.5.7.1 Roofing membrane assemblies and systems	Most Duro-Last EV roofs are inspected by a trained QA technical representative.
		3.5.7.2 Flashings	Most Duro-Last EV flashings, provided by EXCEPTIONAL® Metals, are inspected by a trained QA technical representative.
	3.5.10 Envelope - Barriers	3.5.10.1 Air barriers	Duro-Guard® Sopravap'r is a self-adhesive vapor membrane that works as an air barrier to stop thermal discontinuities.
		3.5.10.2 Vapor retarders	Duro-Guard Sopravap'r is an air barrier as well as a vapor retarder.



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