



# 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:



### POST-INDUSTRIAL RECYCLING

Up to 100% recyclable. Post-industrial scrap from the manufacturing of Duro-Last EV is recycled into concrete expansion joints.



### GREEN CODES

Complies with California Title 24, IgCC, and efficiency programs requiring the use of a highly reflective roof membrane.



### END-OF-LIFE RECYCLING

Mechanically fastened membranes can be taken back and recycled into new products.



### SOLAR READY

Is solar ready with low-maintenance custom fabricated flashings which are ideal for any rack-mounted commercial rooftop solar application.



### ENERGY EFFICIENT

Duro-Last EV white reflective roofs, when designed and installed properly, can help increase energy efficiency, especially during periods of peak demand.

*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	0.85	Pending	0.90	Pending	107	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 (LEED 2009)			
Program	Category	Credit	Contribution
LEED Design & Construction	Sustainable Sites	SSc7.2: Heat island effect – roof	Solar Reflective Index (SRI) White membrane SRI= 107 Duro-Last EV roofs can be installed under a vegetative roof.
	Energy & Atmosphere	EAc1: Optimize energy performance	Cool roofs can help reduce heating and cooling loads which reduces building energy consumption.
	Materials & Resources	MRc2: Construction waste management	Duro-Last EV custom prefabricated accessories help reduce onsite waste generation. The packaging materials are also 100% recyclable.
	Materials & Resources	MRc5: Regional materials	Duro-Last EV is manufactured in Saginaw, MI.
LEED Operations & Maintenance	Sustainable Sites	SSc7.2: Heat island effect – roof	Solar Reflective Index (SRI) White membrane SRI= 107 Duro-Last EV roofs can be installed under a vegetative roof.
	Energy & Atmosphere	EAc1: Optimize energy performance	Cool roofs can help reduce heating and cooling loads which reduces building energy consumption.
	Materials & Resources	MRc3: Sustainable purchasing- facility alterations & additions	Duro-Last EV is manufactured in Saginaw, MI.
	Materials & Resources	MRc8: Solid waste management - durable goods	Duro-Last EV membranes have a take-back program and can be recycled into concrete expansion joints.

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	Solar Reflective Index (SRI) White membrane SRI= 107 Duro-Last EV roofs can be installed under a vegetative roof.
	3.5.6 Resource Conservation	3.5.6.1 Minimized use of raw materials	Prefabricated Duro-Last EV accessories help reduce waste generated 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 Building Envelope – Roofing/ Openings	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® Soprovap’r is a self-adhesive vapor membrane that works as an air barrier to stop thermal discontinuities.
	3.5.10 Envelope – Barriers	3.5.10.2 Vapor retarders	Duro-Guard Soprovap’r is an air barrier as well as a vapor retarder.



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