

# ENVIRONMENTAL PRODUCT DECLARATION SUMMARY



## Duro-Last® | Single-Ply PVC Roof Membrane

### ENVIRONMENTAL PRODUCT DECLARATION SUMMARY



**Company Name** Duro-Last, Inc.

**Product Name** Duro-Last 40-mil, 50-mil & 60-mil

**Description** Single-Ply PVC roofing membrane

**Product Category Rule (PCR)** ASTM, PCR for Single-Ply Roofing Membranes

**Contact Information** 525 Morley Drive  
Saginaw, MI 48601  
(800)248-0280  
www.Duro-Last.com

Material content to 1% by product weight.

#### Material Content

Material	Mass %			Availability			Origin of Raw Materials
	40-mil	50-mil	60-mil	Renewable	Non-Renewable	Recycled	
PVC resin	38%	40%	41%		Fossil resource, limited		US
Plasticizer	23%	24%	25%		Fossil resource, limited		US
Polyester scrim reinforcement	24%	19%	16%		Fossil resource, limited		US
PVC film, post-industrial	7%	7%	8%		Fossil resource, limited	100% post-industrial	US
Pigment	3%	4%	4%		Mineral, abundant		US
Flame retardant	2%	3%	3%		Mineral, abundant		Global
Other materials	3%	3%	3%		Mineral, abundant		Global
Biocide, Phnoxarsine, 10, 10'-oxydi-	0.1%	0.4%	0.4%		Mineral, abundant		US

#### Certifications



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## LCA Stages and Impact Categories

Category	Unit	Product Stage		
		40-mil	50-mil	60-mil
 <p><b>Global Warming</b> A relative measure of greenhouse gases that when released in the atmosphere can change global weather patterns.</p>	[kg CO <sub>2</sub> -eq.]	5.85	6.76	7.75
 <p><b>Acidification</b> An increase in the acidity of soil and water by the conversion of air pollutants into acids. Damages ecosystems and structures. Forest dieback and crumbling building facades are visible symptoms of the effect.</p>	[kg SO <sub>2</sub> -eq.]	0.06	0.07	0.08
 <p><b>Ozone Depletion</b> The destruction of ozone in the ozone layer of the stratosphere which shields the earth from ultraviolet radiation that is harmful to life.</p>	[kg CFC-eq.]	3.73E-07	4.66E-07	5.66E-07
 <p><b>Photochemical Ozone Creation</b> Ozone high in the atmosphere protects us from ultraviolet (UV) light, but at low levels can damage vegetation and increase asthma and other respiratory complaints.</p>	[kg O <sub>3</sub> -eq.]	0.38	0.45	0.52
 <p><b>Eutrophication</b> May include increased growth of biomass such as algae in lakes, which reduces the dissolved oxygen levels with a resulting loss of aquatic species.</p>	[kg N-eq.]	0.03	0.03	0.04
 <p><b>Non-Renewable Material Resources</b> The reduction of available non-renewable resources.</p>	[kg]	0.53	0.68	0.84
 <p><b>Renewable Material Resources</b> The reduction of available renewable resources.</p>	[kg]	0.03	0.04	0.04
 <p><b>Fresh Water</b> The reduction of available fresh water resources.</p>	[l]	32.15	36.75	41.71

The declared unit represented in these tables have been defined as 1 m<sup>2</sup> of roofing membrane.

## Additional Information

Recycled Content (Post/Pre-Consumer):	0% / 7-8%
Sustainable Certifications:	NSF/ANSI 347 Gold Certification; ENERGY STAR rated
VOC Emissions Testing:	N/A
Recycling/Reuse Program:	Recycle Your Roof program
Use of Renewable Energy:	0%