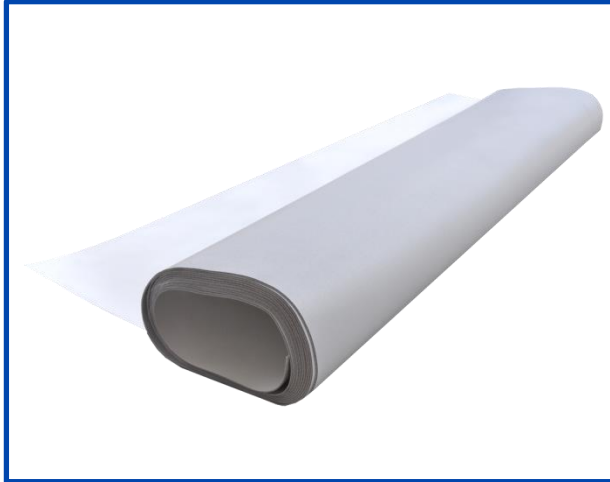




# Duro-Tuff® | Single-Ply PVC Roof Membrane

## ENVIRONMENTAL PRODUCT DECLARATION SUMMARY



**Company Name** Duro-Last®, Inc.

**Product Name** Duro-Tuff 50-mil, 60-mil & 80-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 %		
	50-mil	60-mil	80-mil
PVC resin	38%	40%	43%
PVC resin, pre-consumer	8%	8%	9%
Plasticizer	21%	23%	25%
Polyester scrim reinforcement	23%	18%	12%
Pigment	3%	3%	3%
Flame retardant	<1%	<1%	<1%
Other materials	6%	7%	7%









**Certifications**



# ENVIRONMENTAL PRODUCT DECLARATION SUMMARY



## LCA Stages and Impact Categories

Category	Unit	Product Stage		
		50-mil	60-mil	80-mil
 <p><b>Global Warming</b> A relative measure of greenhouse gasses that when released in the atmosphere can change global weather patterns.</p>	[kg CO <sub>2</sub> -eq.]	4.82	5.91	8.42
 <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.]	0.03	0.03	0.05
 <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	4.92E-07	7.78E-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.]	0.26	0.34	0.48
 <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.]	0.01	0.01	0.02
 <p><b>Non-Renewable Material Resources</b> The reduction of available non-renewable resources.</p>	[kg]	0.17	0.23	0.36
 <p><b>Renewable Material Resources</b> The reduction of available renewable resources.</p>	[kg]	0.01	0.02	0.03
 <p><b>Fresh Water</b> The reduction of available fresh water resources.</p>	[l]	14.43	20.30	32.00

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% / 8-9%

Sustainability Certifications: NSF/ANSI 347 Gold Certified; ENERGY STAR qualified

VOC Emissions Testing: N/A

Recycling/Reuse Program: Recycle Your Roof program