

# Duro-Last® Rock-Ply® Roofing System

A Duro-Last Designer Series Roofing System



## The Look Of Roofing Ballast With The Watertight Integrity Of Single-Ply



The Duro-Last Rock-Ply System is ideal for commercial and residential roofing applications where appearance is important, but traditional rock or stone ballast is not practical because of weight considerations or difficulty transporting the ballast to where it's needed on the roof. The Rock-Ply membrane provides a ballast look and the watertight performance and long-term durability of a thermoplastic, single-ply roofing system.

Our Rock-Ply product is made from the same durable membrane as the Duro-Last roofing system, a proven performer since 1978. The design is printed onto the membrane, then a special polymer coating is applied to help protect the finish from marring, fading, and dirt accumulation.



Like the Duro-Last roofing system, the Rock-Ply system is prefabricated to fit the dimensions of the roof space, ready to be installed by an authorized Duro-Last contractor. Deck sections are mechanically-attached or adhered to the roof deck and adjacent edges are heat-welded together, forming a watertight, monolithic covering.



The Duro-Last Rock-Ply system is complete, with all fasteners, flashings, edge details, and other materials delivered to the job site. Flashings for critical rooftop transition areas are precision-fabricated in a Duro-Last facility to fit those areas; there is minimal on-site assembly of these components. Rectangular curb flashings for a Rock-Ply installation typically will have both horizontal and vertical surfaces made from dark gray material. Other flashings, such as for stacks, vents, and parapets, typically will have the horizontal surface (which is welded to the deck membrane) made from Rock-Ply material and the vertical surface made from dark gray material.

The Duro-Last Rock-Ply roofing membrane is available in 50-mil thickness only.

The Rock-Ply roofing system is backed by the best warranty in the roofing industry. Our standard, comprehensive 15-year No Dollar Limit (NDL) warranty is transferable, has no

exclusions for ponding water, and provides coverage against consequential damages that result from defects in the Duro-Last material and/or installation workmanship. Duro-Last also has 20-year warranties available.

Tests outlined by ASTM D-4434	Test Description	Test Method	Metric Results	U.S. Standard Results
	Thickness-Nominal	ASTM D 751	1.25 mm.	50 mils - Type III
	Breaking Strength	ASTM D 751 - Grab Method	1948 x 1734 N	438 x 390 lbf.
	Elongation at Break	ASTM D 751 - Grab Method	31%	
	Heat Aging	ASTM 3045, 56 days @ 176°F	90% of control - no cracking, chipping or crazing	
	Factory Seam Strength	ASTM D 751 - Grab Method	1854 N	417 lbf.
	Tearing Strength	ASTM D 751 - Procedure B	587 x 725 N	132 x 163 lbf.
	Low Temperature Bend	ASTM D 2136	Pass	
	Accelerated Weathering	ASTM G 154 (Formerly G53)	No cracking, checking, crazing or erosion at 5,000 hours of exposure	
	Linear Dimensional Change	ASTM D 1204 - 6 hrs. @ 176°F	-0.4%	
	Water Absorption	ASTM D 570 - 166 hrs. @ 158°F	1.7%	
	Static Puncture	ASTM D 5602	25 kg.	56 lb.
Dynamic Puncture	ASTM D 5635	20 J	474 pdl-ft.	

Additional Tests	Test Description	Test Method	Metric Results	U.S. Standard Results
	Fungi Resistance	ASTM G 21	No sustained growth or discoloration	
	Solar Reflectance	ASTM C 1549 (Mean)	27%	
	Thermal Emittance	ASTM C 1371 (Mean)	86%	
	Weight	ASTM D 751	1.4 kg per m <sup>2</sup>	.29 lb. per ft <sup>2</sup>
	Underwriters Laboratories	UL-790	Classes A, B & C approved	
	Factory Mutual Research	ASTM E 108; FM 4450 & FM 4470	Rated 1-60, 1-75, 1-90, 1-105, 1-120, 1-135, 1-150, 1-165, 1-195, 1-210, 1-240, 1-270, 1-345, 1-435 & 1-495	





**DURO-LAST**  
THE WORLD'S BEST ROOF.

**800-248-0280**  
[www.duro-last.com](http://www.duro-last.com)











**FAMILY** **MADE IN THE USA**  
OWNED & OPERATED

The Duro-Last Roofing System is proudly manufactured in the United States of America.

ENERGY STAR® is only valid in the United States.  
Rock-Ply Sheet\_V2\_5.28.14 - M#DL14-0025