

THICKNESS

Where It Counts!

Thickness above scrim
(aka "Performance Layer")

Scrim

Bottom layer



While it's commonly believed that thicker membranes offer superior protection, it's important to note where that thickness comes from. The top layer of a membrane – also known as the "performance" layer – is the most vulnerable. With daily exposure to harsh natural elements like UV rays and unpredictable precipitation, to regular foot traffic from mechanical and building maintenance, membranes with inadequate performance layers are susceptible to accelerated deterioration and damage.

Duro-Last®'s 50 mil flagship membrane is

manufactured with 28 mil of thickness on the top performance layer, far exceeding industry standards as well as competitor systems with equal and even greater mil values. In fact, ASTM 4434 industry standards require only 16 mil of thickness above the scrim reinforcement, allowing for extra filler material to be added to the bottom layer to increase overall membrane thickness. This means that while competitor membranes will be the same thickness, or even thicker, than Duro-Last's overall, they don't offer protection where it counts.

Superior Scrim

While thickness is an important factor in a roof's long-term performance, the reinforcement scrim layer serves as a main source of membrane strength. Knitted in-house, Duro-Last's anti-wicking polyester weft-insertion scrim has an 18 x 14 threads per-inch density – among the highest in the industry. The enhanced thread density and high tensile strength provided by the polyester yarn offers superior puncture resistance, while the weft-inserted tie yarn prevents runs and doesn't allow tears to spread. Fiberglass yarn alternatives found in competing products have lower tensile strength properties, allowing for easier breaks and tears throughout the membrane. Additionally, the antiwicking polyester thread prevents moisture from penetrating yarn fibers, improves welding conditions and eliminates the need for edge sealant, enhancing the performance and watertight integrity of a Duro-Last Roofing System from the inside.

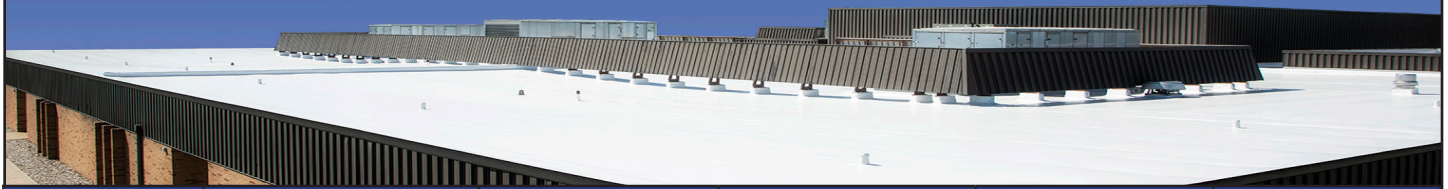


DURO-LAST®
THE WORLD'S BEST ROOF®



How We Stack Up

Now that you know where membrane thickness really counts, see how 50 mil Duro-Last stacks up against the competition.



	50 mil Duro-Last® PVC Membrane	50 mil FiberTite®-XT PVC	50 mil Carlisle® Sure-Flex™ PVC	50 mil Johns Manville PVC	60 mil Sarnafil® G410 PVC
Thickness Above Scrim	28 mil	15 mil	17 mil	22 mil	27 mil
Scrim Type	18 x 14 Polyester, weft-inserted, anti-wicking	18 x 18 Polyester, weft-inserted, coated	Polyester, weft-inserted	Polyester, anti-wicking	Fiberglass

	50 mil Duro-Last® PVC Membrane	60 mil Firestone UltraPly™ TPO	60 mil Carlisle® Sure-Weld® TPO	60 mil Johns Manville TPO	60 mil Versico® VersiWeld® TPO
Thickness Above Scrim	28 mil	21 mil	24 mil	27 mil	24 mil
Scrim Type	18 x 14 Polyester, weft-inserted, anti-wicking	Polyester, weft-inserted	Polyester	Polyester	Polyester

	50 mil Duro-Last® PVC Membrane	60 mil Firestone RubberGard™ MAX EPDM	60 mil Carlisle® Sure-Tough™ EPDM	60 mil Johns Manville EPDM R	60 mil Versico® VersiGard® EPDM
Thickness Above Scrim	28 mil	22 mil	20 mil	26 mil	20 mil
Scrim Type	18 x 14 Polyester, weft-inserted, anti-wicking	9 x 9 Polyester, weft-inserted	Polyester	Polyester	Polyester

Duro-Last: The Proven Performer®

Thickness over scrim isn't the only quality that sets us apart from other roofing manufacturers. The Duro-Last Membrane* offers proven chemistry, four decades of proven in-the-field performance and top-notch support to back it all up.

Tried and True Formulation

For more than 39 years, Duro-Last's proprietary formulation has proven to be durable, serviceable, highly flexible and recyclable.

Industry-Leading Warranty

A good product is nothing without a company that stands behind it. Duro-Last's 15-Year NDL warranty is unparalleled, offering protection that expressly covers consequential damages.

* All Duro-Last data provided in this document reflects the properties of the flagship Duro-Last 50 mil membrane. Additional information and data sheets for all Duro-Last membrane products can be found on the Duro-Last website.

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Versico, VersiWeld, and VersiGard are registered trademarks owned by Versico
Performance Vs. Thickness Sheet - ORIG: 3/2014, REV: 9/11/17, 9/29/17_v2 – DL080002



Contact us today for more information!

800-248-0280

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