DO A FEW MILS REALLY MAKE A DIFFERENCE?

YOU BET THEY DO.

They can mean the difference between failure and a performance that people will talk about for decades to come. Sika's one-of-a-kind Thickness Guarantee program for roofing membranes goes beyond industry standards and ensures that all Sarnafil® branded membranes meet or exceed labeled thickness. Under present industry standards, roofing membranes can be manufactured up to 10 % below advertised thickness, meaning that a 60 mil membrane could actually be only 54 mils.

FACT SHEET

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WHY THICKNESS MATTERS

Roofing membrane thickness is a key determinant to longevity, durability and weldability. Roof surfaces have to withstand challenging climatic and meteorological conditions involving moisture, temperature, solar radiation and wind. Over time, these forces combine to age membranes, resulting in part in a loss of thickness for all products. All other factors being equal, a thicker membrane withstands these forces longer. Thicker membranes also stand up better to punctures and abrasion.

GETTING WHAT YOU PAY FOR

Independent testing of 15 thermoplastic roof membranes in 1998 by the consulting engineering firm Simpson Gumpertz & Heger showed that only the Sarnafil-branded adhered and mechanically-attached membranes and one additional membrane met the labeled thickness, with all the other membranes failing to measure up *(see Labeled vs Measured Thickness–1998)*.

Testing conducted internally in 2013 by Sika and involving most of these very same single-ply membranes *(see Labeled vs Measured Thickness –2013)* showed that nothing had changed–again, only the two Sarnafil membranes and one other membrane reached the labeled thickness.

Sika's Thickness Guarantee program includes all Sarnafil-branded membranes. Membrane thickness is measured as specified in ASTM D751, the test method specified in ASTM PVC standard D4434. Should a Sarnafil membrane measure less than the labeled thickness per ASTM D751 at the time of installation, Sika will remunerate the building owner $0.05 per square foot for the amount of material measuring less than the labeled thickness to a maximum of $5,000.

A HISTORY OF INNOVATION AND PERFORMANCE

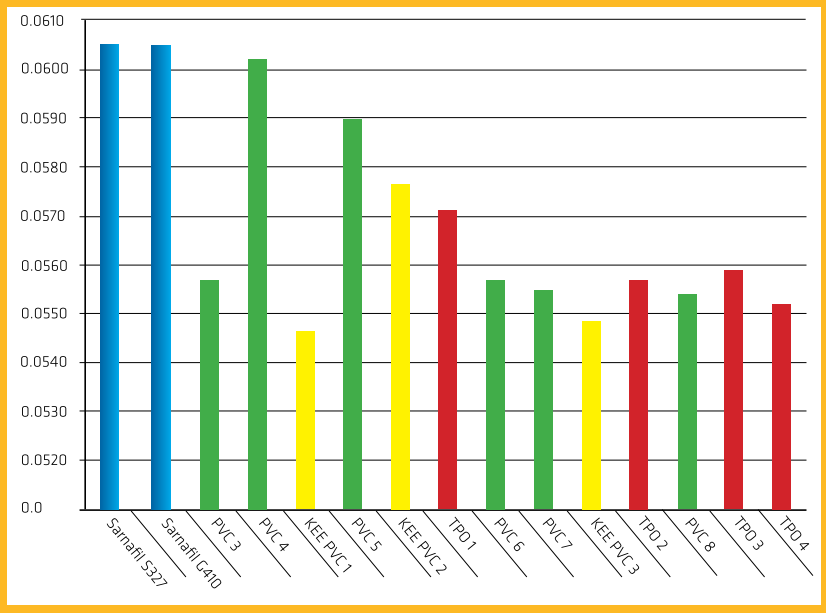
Sika's Thickness Guarantee is just the latest innovation related to the Sarnafil membrane. Sarnafil was introduced more than 50 years ago and was the world's first fabric-reinforced thermoplastic membrane, forever changing the single-ply roofing industry.

The Thickness Guarantee program ensures that architects and roofing consultants can specify with confidence, and that building owners will get what they pay for. Sarnafil membranes will measure up, or the company will pay up. Sika guarantees it.

Labeled vs. Measured Membrane Thickness
Simpson Gumpertz & Heger, Inc., 1998

Product	Labeled Thickness	Measured Thickness	Deviation of Thickness from Label	Deviation of Thickness from Label (%)
Sarnafil® S-327	**48 Mils**	**48 Mils**	**–**	**–**
Sarnafil® G-410	**48 Mils**	**49 Mils**	**+ 1 Mils**	**2.1 % More**
PVC 3	50 Mils	40 Mils	- 10 Mils	20.0 % Less
PVC 4	50 Mils	44 Mils	- 6 Mils	12.0 % Less
PVC 5	40 Mils	34 Mils	- 6 Mils	15.0 % Less
PVC 6	48 Mils	43 Mils	- 5 Mils	10.4 % Less
TPO 1	45 Mils	43 Mils	- 2 Mils	4.4 % Less
PVC 7	50 Mils	46 Mils	- 4 Mils	8.0 % Less
PVC 8	48 Mils	40 Mils	- 8 Mils	16.6 % Less
PVC 9	35 Mils	28 Mils	- 7 Mils	20.0 % Less
TPO 2	45 Mils	43 Mils	- 2 Mils	4.4 % Less
PVC 10	36 Mils	33 Mils	- 3 Mils	8.3 % Less
TPO 3	45 Mils	42 Mils	- 3 Mils	6.6 % Less
TPO 4	45 Mils	46 Mils	+ 1 Mils	2.2 % More
TPO 5	45 Mils	31 Mils	- 14 Mils	31.1 % Less

Labeled vs. Measured Membrane Thickness - All Membranes Labeled 60 Mil
Sika Corporation • Roofing, 2013



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