



Through the ROOF![®] Brush-on Grade vs. Asphalt Roof Cement

Accelerated Weathering Test Results

The average roof will see over 2,500 hours of UV exposure between April and September (the 6 months of the year with the most extreme UV exposure).

That's seven hours per day, and in order to maintain a weatherproof, leak-free roof, the sealants used on a roof must be specifically formulated to withstand this extreme exposure.

Through the Roof![®] Lasts 20 Times Longer than Asphalt Roof Cement (And was still going strong at the conclusion of the testing!)

It's a bold claim that Sashco proved through detailed and thorough laboratory testing. In fact, not only did we prove that Through the Roof![®] lasts a minimum of 20 times longer, we observed that the asphalt products start failing after just 100 hours of exposure— that's a mere 14 days!



Through the Roof![®] after 2000 hours of UV exposure. It's still clear, elastic, and adhering well. The result? A roof protected from leaks.



Testing Method

In accordance with ASTM C793-05—Laboratory Accelerated Weather on Elastomeric Joint Sealants and ASTM C1442-03—Standard Practice for Conducting Tests on Sealants Using Artificial Weathering Apparatus, the following steps were taken:

1. Through the Roof![®], Henry[®] 209 Extreme Wet Patch[®], and Henry[®] 208R[®] Rubberized Wet Patch[®] (two popular asphalt-based roof sealants), were applied to 3" x 6" aluminum panels.
2. The products were allowed to cure for 21 days at ambient indoor temperatures.
3. After cure, an unexposed control from each panel was observed and rated for cracks, then given a 180° Mandrel bend at room temperature.*
4. Panels of each of the three sealants were put into the Xenon Arc weatherometer. At 100 hours, 500 hours, 1000 hours, 1500 hours, and 2000 hours of UV exposure the panels were removed for observation, durability, and given the mandrel bend test.
5. Panels were then rated on a scale of 0-4 for cracking, both after weathering and after the mandrel bend.
 - "0" rating indicates no cracks and a sealant that is still performing the same as when originally applied.
 - "4" rating indicates total cracking, with the sealant failing and exposing the underlying substrate.

Crack Rating After Exposure			
UV Exposure	Through the Roof! [®]	Henry [®] 208R [®]	Henry [®] 209 [®]
0 hours	0	0	0
100 hours	0	0	1
500 hours	0	0	1
1000 hours	0	1	2
1500 hours	0	2	3
2000 hours	0	4	4

Crack Rating After Mandrel Bend			
UV Exposure	Through the Roof! [®]	Henry [®] 208R [®]	Henry [®] 209 [®]
0 hours	0	0	0
100 hours	0	4	4
500 hours	0	4	4
1000 hours	0	4	4
1500 hours	0	4	4
2000 hours	0	4	4

Rating system:

0 = no cracks; sealant is still performing the same as when originally applied

4 = total cracking and sealant failure; underlying substrate exposed

* The test calls for a test condition of -15°F sealant temperature to add more stress, but it was determined that this cold temperature was not necessary for this experiment.

Henry[®] 209 Extreme Wet Patch[®] and Henry[®] 208R[®] Rubberized WetPatch[®] are registered trademarks of Henry Company.

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TRF COMP REPORT 02-16



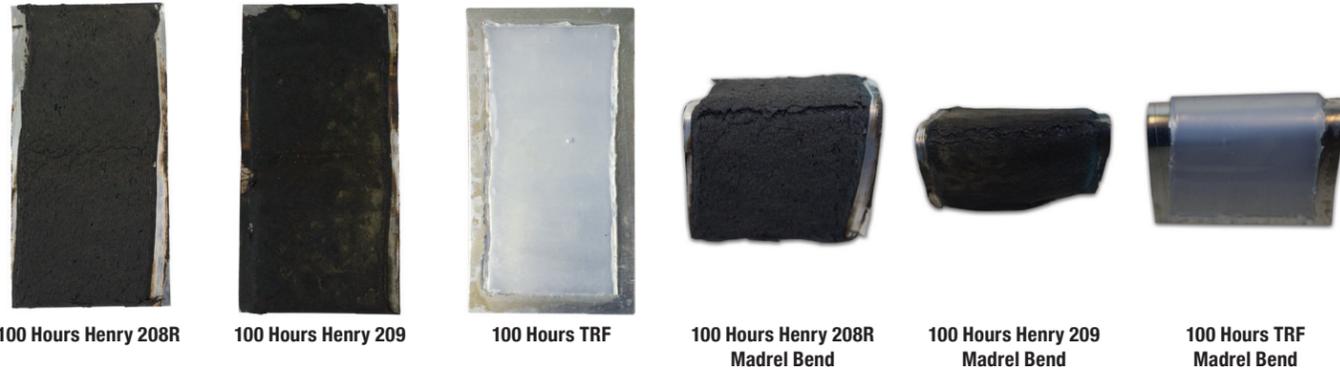
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UV Exposure by Hours

100 hours



100 Hours Henry 208R

100 Hours Henry 209

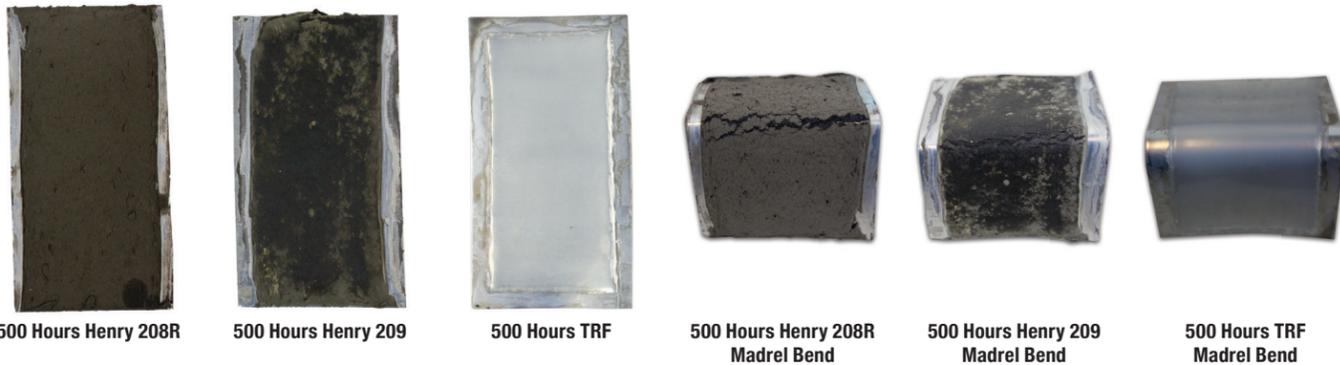
100 Hours TRF

100 Hours Henry 208R
Madrel Bend

100 Hours Henry 209
Madrel Bend

100 Hours TRF
Madrel Bend

500 hours



500 Hours Henry 208R

500 Hours Henry 209

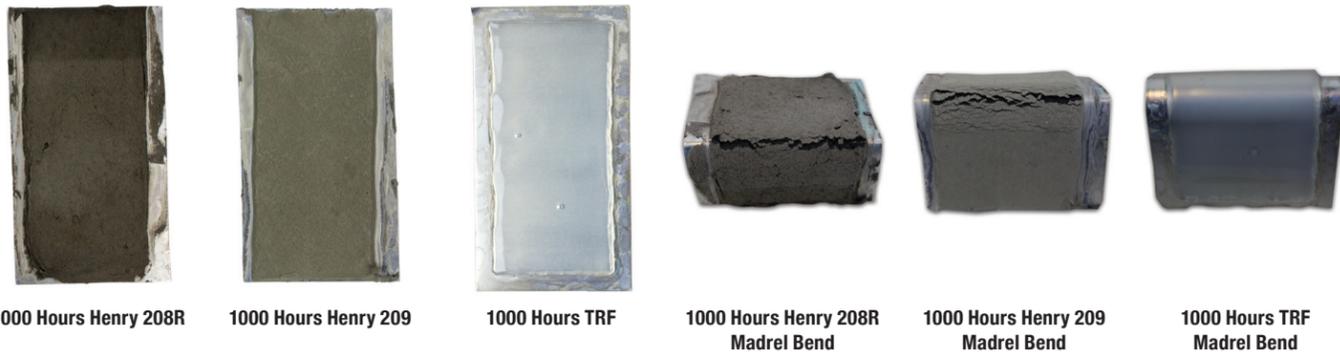
500 Hours TRF

500 Hours Henry 208R
Madrel Bend

500 Hours Henry 209
Madrel Bend

500 Hours TRF
Madrel Bend

1000 hours



1000 Hours Henry 208R

1000 Hours Henry 209

1000 Hours TRF

1000 Hours Henry 208R
Madrel Bend

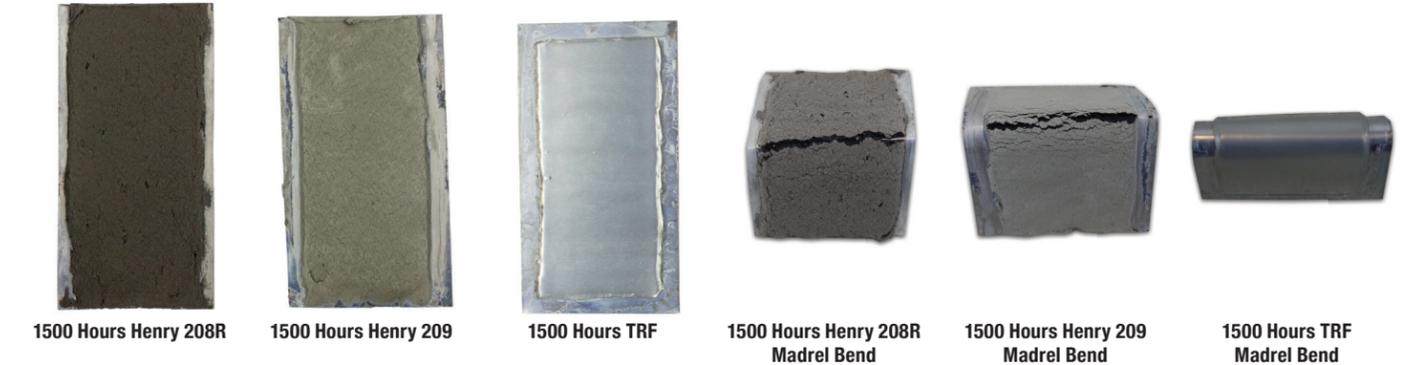
1000 Hours Henry 209
Madrel Bend

1000 Hours TRF
Madrel Bend

The Results Are Clear

A picture paints a thousand words, and in this case, shows 2,000 hours of UV exposure on these products. These photos prove decisively that Through the Roof!® lasts longer than asphalt-based roof sealants, and could go for months – even years – more. It permanently fixes those nagging roof leaks and remains elastic and water-tight year after year.

1500 hours



1500 Hours Henry 208R

1500 Hours Henry 209

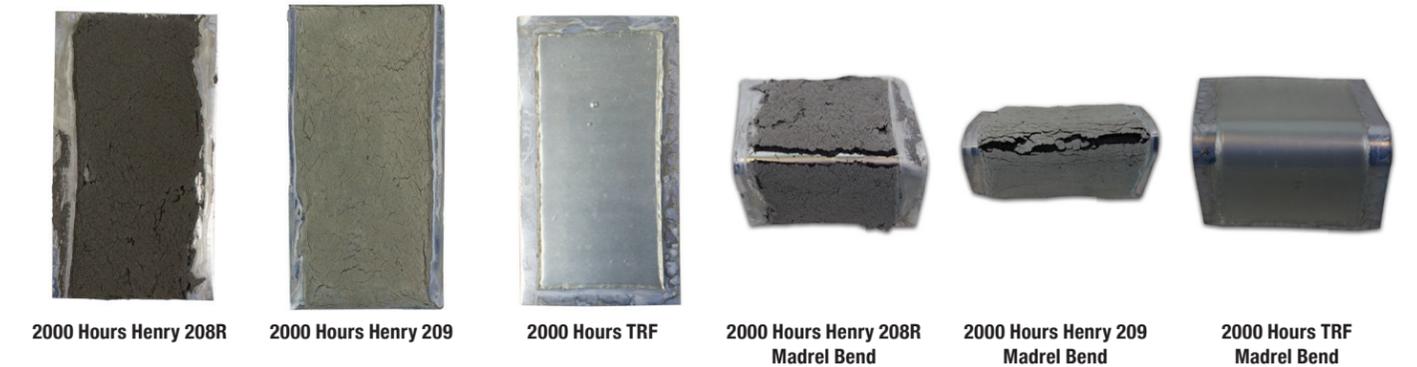
1500 Hours TRF

1500 Hours Henry 208R
Madrel Bend

1500 Hours Henry 209
Madrel Bend

1500 Hours TRF
Madrel Bend

2000 hours



2000 Hours Henry 208R

2000 Hours Henry 209

2000 Hours TRF

2000 Hours Henry 208R
Madrel Bend

2000 Hours Henry 209
Madrel Bend

2000 Hours TRF
Madrel Bend