



PremierKote® v. Korad UV Stability Study Results

Test #	Test conditions	# of hours	PremierKote® results	Korad results
1	Q panel QUV test chamber * ASTM D4587-91 * 16 hours UV @ 50dgC * 8 hours condensations @ 45dgC * UVB 313 bulb used	1900	10	10
2	Atlas Ci-5000 Water-Cooled Xenon Arc Weatherometer * Cycle 2 * Filter-Borosilicate Glass (daylight) * Irradiance-.035W/m2/nm. * Wavelength-340nm * Exposure Cycle- 102 min light @ 63C, 50% RH, 18 min light and water spray, 6 hours dark, 95% RH.	1000 5000	10 9	8 6

Scale:  
 10 - No fade or discoloration.  
 9 - Very little fade or discoloration.  
 8 - Noticeable fade of color.  
 7 - Very Noticeable fade and discoloration.  
 6 - Significant fade and discoloration.

Summary:

1. Both samples performed well in the QUV test chamber using ASTM D4587-91. No signs of fade or discoloration.
2. The PremierKote® outperformed the Korad sample in the Xenon test chamber. The Korad sample exhibited significant fade and discoloration, while the PremierKote® sample exhibited very little fade or discoloration, at 5000 hours.