



## QUV Test Report

The samples were exposed to 1500 hours of artificial weathering in accordance with ASTM G 154 in a Q-Lab QUV cabinet using UVA340 lamps and operating a continuously cycling test program of 8 hours UV at 60°C at an irradiance of 0.89 W/m<sup>2</sup>/nm and 4 hours condensation at 50°C. Color measurements and 60° Gloss measurements were carried out before and after the test. The total color change as a result of the weathering was expressed in  $\Delta E_{94}$  units.

### Results

Gloss change on weathering		
Sample	Exposure (hrs)	60° Gloss
Recoat 1K Semi Gloss	0	31.9
	1000	30.3

Color change on weathering					
Sample	Exposure (hrs)	L	a	b	$\Delta E_{94}$
Recoat 1K Semi Gloss	0	90.2	0.6	4.8	1.44
	1500	90.1	1.0	6.5	

### Explanation of $\Delta E_{94}$

$\Delta E_{94}$ value	Meaning
0 - 1	A normally invisible difference
1 - 2	Very small difference, only obvious to a trained eye
2 - 3.5	Medium difference, also obvious to an untrained eye
3.5 - 5	An obvious difference
> 6	A very obvious difference