



Preserve, Prolong, Protect

Internal Lab Test – UV Chamber

As a logical extension of research, Adsil conducts numerous testing protocols within its lab in order to quantify the performance of its product technology. One such testing protocol is to evaluate the relative resistance of inorganic formulae platforms to ultra-violet light degradation.

Standard Testing Protocol:

Equipment:	Atlas 2000 UV Chamber
Testing Protocol:	Continuous running cycles of 340 angstrom UVA light waves & water - fog condensation exposure.
Substrate for Test:	Standard aluminum Q-panels; cleaned and coated per specification.
Length of Exposure:	1,340 continuous hours; 900 hours UVA and 440 hours condensation in continuous cycling.
Results:	At the conclusion of this aggressive testing, MicroGuard AD35 HVAC/R Clear Coil Treatment exhibited no film cracking, loss of gloss, yellowing, film erosion or oxidation.
Conclusion:	MicroGuard AD35, a Patented, inorganic, reacted siloxane protective clear treatment, exhibits extraordinary resistance to high levels of ultra-violet light exposure and water condensation.
Conducted By:	Raj Dhawan, Adsil Technical Director
Date of Test:	July 2005

Adsil publishes its internal lab testing results to our customers. The results, which we believe to be accurate and reliable, are intended for review and comparison by potential end-users of our MicroGuard AD35 HVAC/R Clear Protective Treatment. Whereas there is no direct correlation between continuous hours of exposure in the Atlas 2000 UV Chamber and hours of exposure under direct, natural sunlight and moisture conditions, this testing protocol is widely used by laboratories to quantify UV resistance of topically applied coatings and we hereby certify the accuracy of these results, as published, and invite a potential purchaser of our products to compare these results against any existing competitive organic coil coating.