



810 Princes Highway
Tempe 2044 NSW
Australia

ASTM G85-A5 Prohesion Salt Spray Testing of ECRA-SH, Super Hydrophobic (LME) coated aluminium panels

Results of the above testing: as per attached report

This report was prepared and reviewed by:

Thomas Wagner

Technical Director, OzKem Pty Ltd

Date: 02/02/2011



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Test Report

Client : Pole Star Coils Pvt Ltd.
Contact/Reported to : Mr Viveck Varma
Date : 02.02. 2011
Test requirement : ASTM G85-A5 Prohesion Testing
Reference : G85-A5/S1-5/BC030185-2000
Sample details : ECRA-SH, Jade Green, Super Hydrophobic (LME)
Substrate : Standard aluminium plates, 152 x 75 mm
Sample number : 5 plates

Test details : ASTM G85-A5 (Acidified)
Exposure Duration : 1000 and 2000 Hours
Exposure Conditions : per ASTM G85-A5

Abstract

Pole Star Coils Pvt. Ltd has provided 5 green coated samples on standard aluminium test plates for ASTM G85-A5, 1000 and 2000 hour exposure testing. The coating was identified as ECRA-SH. The samples supplied indicated 20µl water droplet contact angle to painted substrate of 160°. Coating thickness was within 8 to 10.5 microns range. Two samples were orientated at an angle of 5° off horizontal, due to the unusually rapid salt spray condensate run off.

Test Results

Parameter	1000 hours	2000 hours
Blistering/post test	No blistering	No blistering
Surface rust/post test	Nil detected	Nil detected
Corrosion/post test	Nil detected	Nil detected

Test rating

All samples exceeded the specification requirements with a rating of ≥ 6 after 1000 as well as the 2000 hour cycle.

Conclusion

All five samples tested exhibited good coating qualities, corrosion resistance and overall performance.