



Subject **Neutral Salt Spray of provided extrusion pieces**

Author Linh Lieu

Project number 14LSR035

Document number 001




Date 30<sup>th</sup> June 2014

Distribution List Steven Hughes, James Sloan

Remark Customer – Knotwood

## INTRODUCTION




The customer has provided three aluminium extrusions coated with various STF powder coating. The extrusion pieces will be subjected to 3000 hours neutral salt spray.

Sample	Film Thickness	Photo
14LSR035A	90-117 µm	
14LSR035B	60-70 µm	
14LSR035C	100 µm	

## CONCLUSION

All three samples were found to pass 3000 hours NSS.

## RESULTS

Sample	Test	Spec	1000h	2000h	3000h	Photo
14LSR035A	Adhesion	≤ 1	0	0	0	
	Blistering	≤ S2D2	0	0	0	
	Undercut at Scribe	≤ 2mm	0	0	0	
	Corrosion of Base Metal	No visible corrosion	No visible corrosion	No visible corrosion	No visible corrosion	
14LSR035B	Adhesion	≤ 1	0	0	0	
	Blistering	≤ S2D2	0	0	0	
	Undercut at Scribe	≤ 2mm	0	0	0	
	Corrosion of Base Metal	No visible corrosion	No visible corrosion	No visible corrosion	No visible corrosion	
14LSR035C	Adhesion	≤ 1	0	0	0	
	Blistering	≤ S2D2	0	0	0	
	Undercut at Scribe	≤ 2mm	0	0	0	
	Corrosion of Base Metal	No visible corrosion	No visible corrosion	No visible corrosion	No visible corrosion	

Testing value = \$410.00