



**TEST ITEM IDENTIFICATION**

PROJECT START DATE:	November 6, 2019
COATING IDENTIFICATION / MATERIAL NAME:	SC7130-CC
MATERIAL TYPE:	Fluorinated Polymer
DATE OF MANUFACTURE:	10-30-2019
LOT NUMBER:	1910721
COATING MANUFACTURER PLANT LOCATION:	Same as location noted on page 1
SAMPLE DISPOSITION:	Samples returned to AI Technology Inc.

**BREAKDOWN OF TEST COUPONS\***  
*(Reference Table 4-1 IPC-CC-830C)*

Test Sample(s)	Quantity	Testing	Specification Paragraph
Glass Plate	4 coated, 1 uncoated	FTIR	3.4.1
Glass Plate		Appearance	3.5.2
Glass Plate		Fluorescence	3.5.3
Glass Plate		Thickness	4.6.4
Glass Plate	4 coated	Fungus Resistance	3.5.4
Tin Panel	4 coated	Flexibility	3.5.5
UL94 Test Strip	6 coated	Flammability	3.5.6
IPC-B-25A, Pattern C	5 coated	Dielectric Withstanding Voltage	3.6.1
IPC-B-25A, Pattern D & C	4 coated, 1 uncoated	Moisture and Insulation Resistance	3.7.1
IPC-B-25A, Pattern C	5 coated	Thermal Shock	3.7.2
Y-Shape Test Assembly	5 coated, with resistors	Temperature and Humidity Aging (Hydrolytic Stability)	3.7.3
Liquid Conformal Coating	1 sample	Viscosity	3.5.1
IPC-B-25A, Pattern D & C	5 coated	Shelf Life (IR and DWV Test)	3.3.2
Witness Coupon (i.e. Glass Plate)	4 coated	Coating Thickness	4.6.4

*Note: Prepared sample substrates were coated by the customer prior to submission to NTS. No coating application was performed at NTS Baltimore.*



**TEST SUMMARY**

<b>Test, paragraph</b>	<b>Results</b>	<b>Comments</b>
Materials, 3.3.1	Pass	
Shelf Life, 3.3.2	Pass	
Cure, 3.3.3	Pass	
Fourier Transform Infrared Spectroscopy (FTIR), 3.4.1	See scan on page 8	Spectrum to be retained for future reference
Viscosity, 3.5.1	-	Measurement to be recorded for future reference
Appearance, 3.5.2	Pass	
Fluorescence, 3.5.3	Pass	
Fungus Resistance, 3.5.4	Pass	
Flexibility, 3.5.5	Pass	
Flammability, 3.5.6	Pass	
Dielectric Withstanding Voltage, 3.6.1	Pass	
Moisture and Insulation Resistance, 3.7.1	Pass	
Thermal Shock, 3.7.2	Pass	
Temperature Humidity Aging, (Hydrolytic Stability), 3.7.3	Pass	
Coating Thickness, 4.6.4	Pass	