

## Heat Release Test Results

<b>Regulation:</b>	14 CFR 25.853(d)	<b>Criteria:</b>	14 CFR 25, Appendix F, Part IV	<b>Procedure:</b>	14 CFR 25, Appendix F, Part IV
--------------------	------------------	------------------	--------------------------------	-------------------	--------------------------------

Customer Information
TWN Industries 25490 SW 141 Ave Princeton, Florida 33032

Sample Information
Substrate: Aluminum, PPS Aero Primer 1K (1mil) PPS Aero Base Coat (Aviation Gray) (1mil) PPS Aero Clear Coat /Finish (1mil) Film Inks -WTP 279 (Wood Pattern)

Sample	Maximum Heat Release (HRR)		Total Heat Release (HR) Within First 2 Minutes (kW min/m <sup>2</sup> )
	Heat Release (kW/m <sup>2</sup> )	Time of Occurrence (sec)	
<b>1</b>	20.4	109	12.1
<b>2</b>	29.5	34	18.3
<b>3</b>	38.5	107	22.4
<b>Average:</b>	<b>29.5</b>	<b>83</b>	<b>17.6</b>
Result:	PASS		PASS
NM/2 = No measurable Total HR within first 2 minutes.   NC = Not calculated.   DNO = Did not occur.			

Acceptance Criteria:
Heat Release Rate (HRR) Average: 65 kW/m <sup>2</sup> max.
Total Heat Release (HR) Average: 65 kW min/m <sup>2</sup> max.

<b>Conditioning</b> (24 hours min.):	70 ± 5 °F, 50 ± 5 %RH
<b>Calibration Factor</b> (Kw/mV):	0.2479
<b>Radiant Heat Flux</b> (W/cm <sup>2</sup> ):	3.53

Results	
<input checked="" type="checkbox"/> <b>PASS</b>	<b>Notes:</b> Tested at external laboratory.
<input type="checkbox"/> <b>FAIL</b>	

The results of this test report have been obtained in compliance with the listed requirements and/or specifications. Amendment levels are that of the current amendments on the date testing was performed, unless otherwise specified. Aeroblaze applies a pass/fail criterion based on the outcome of the test regardless of the measurement uncertainty, except in cases where the customer specifically requests that measurement uncertainty be applied. This test report shall not be reproduced, except in full, without written approval from Aeroblaze Laboratory Inc. The test results relate only to the items tested.

**Tested by:** Adam Gonzales      04-Aug-20  
 Lab Technician

**Approval:** *Andrew Feghali*      04-Aug-20  
 Andrew Feghali, Lab Manager, FAA DER

## Heat Release Test Results

<b>Regulation:</b>	14 CFR 25.853(d)	<b>Criteria:</b>	14 CFR 25, Appendix F, Part IV	<b>Procedure:</b>	14 CFR 25, Appendix F, Part IV
--------------------	------------------	------------------	--------------------------------	-------------------	--------------------------------

### HEAT RELEASE CHART

