

Wall Panel Assembly	Alfred FR with ACCU-TRAC DS Pressure Equalized Rainscreen System courtesy of Altech Panel Systems	
Testing Protocols	<a href="#">Florida Building Code / Miami-Dade County Requirements</a> TAS 201-94: Large Missile Impact Test, Level D, Wind Zone 4 TAS 202-94: Uniform Static Air Pressure TAS 203-94: Cyclic Pressure Loading	<a href="#">ASTM Standards</a> ASTM E283 ASTM E330 ASTM E331 ASTM E1996 ASTM E1886
Florida Product Approval	FL 33597	
Panel Size Referenced	120 in wide x 60 in high	
Engineering Evaluation Report Download	<a href="#">Report No.: 514689</a>	

## ASTM E330 - Structural Performance

### Panel Deflection

Deflection Criteria	Deflection Inches	Deflection (in)		Permanent Set (in)			
		Measured	Allowed Per TAS 202 (L/250)	Measured	Allowed Per TAS 202 (L/720)		
L/360	0.33						
TAS 202 L/250	0.48						
L/240	0.50						
L/180	0.67						
L/90	1.33						
L/60	2.00						
		Design Pressure	+ 75.0 / psf	0.15	0.48	0.01	0.17
			- 75.0 / psf	0.10	0.48	< 0.01	0.17
		Test Pressure	+ 112.5 / psf	0.23	0.48	0.17	0.17
			- 112.5 / psf	0.17	0.48	0.02	0.17

### Perimeter Framing Deflection

Deflection Criteria	Deflection Inches	Deflection (in)		Permanent Set (in)			
		Measured	Allowed Per TAS 202 (L/1333)	Measured	Allowed Per TAS 202 (L/3899)		
TAS 202 L/1333	0.09						
L/720	0.17						
L/360	0.33						
L/240	0.50						
L/175	0.69						
		Design Pressure	+ 75.0 / psf	0.01	0.09	0.01	0.03
			- 75.0 / psf	0.02	0.09	< 0.01	0.03
		Test Pressure	+ 112.5 / psf	0.01	N/A	< 0.01	0.03
			- 112.5 / psf	0.12	N/A	< 0.01	0.03

## ASTM 283 - Air Infiltration

	Results	Allowed per TAS 202
Air Leakage: 1.57 psf (25 mph)	0.02 cfm / ft <sup>2</sup> (0.10 L/s/m <sup>2</sup> )	0.06 cfm / ft <sup>2</sup> (0.30 L/s/m <sup>2</sup> )
Air Leakage: 6.27 psf (50 mph)	0.04 cfm / ft <sup>2</sup> (0.20 L/s/m <sup>2</sup> )	0.06 cfm / ft <sup>2</sup> (0.30 L/s/m <sup>2</sup> )

## ASTM E331 - Water Penetration

	Results	Allowed per TAS 202
20 psf: 15% of Positive Design Pressure at 960 Pa	Pass	No Leakage