



THE REVOLUTION IN PANEL SYSTEMS



Architectural Testing

TEST REPORT

Report No.: C6769.02-109-44

Overall Area: 7.5 m ² (80.8 ft ²)	Width		Height	
	millimeters	inches	millimeters	inches
Overall size	3061	120-1/2	2451	96-1/2
Top panel	2988	117-5/8	1189	46-13/16
Bottom left panel	1394	54-7/8	1189	46-13/16
Bottom right panel	1594	62-3/4	1189	46-13/16

6.0 Test Results: The temperature during testing was 17°C (63°F). The results are tabulated as follows:

Title of Test	Results	Allowed	Note
Air Leakage, per ASTM E 283 at 75 Pa (1.6 psf)	0.1 L/s/m ² (0.01 cfm/ft ²)	N/A	
Air Leakage, per ASTM E 283 at 300 Pa (6.2 psf)	0.1 L/s/m ² (0.02 cfm/ft ²)	N/A	
Water Penetration, per ASTM E 331 at 720 Pa (15.04 psf)	Pass	No leakage	
Uniform Load Deflection, per ASTM E 330 taken vertically on the panel +3600 Pa (+75.19 psf) -2880 Pa (-60.15 psf)	15.0 mm (0.59") 37.3 mm (1.47")	Report Only	1, 2, 3
Uniform Load Deflection, per ASTM E 330 taken on the horizontal joint between anchors +3600 Pa (+75.19 psf) -2880 Pa (-60.15 psf)	1.0 mm (0.04") 0.8 mm (0.03")	2.3 mm (0.09") 2.3 mm (0.09")	1, 2, 3
Uniform Load Structural, per ASTM E 330 taken vertically on the panel +4800 Pa (+100.25 psf) -4320 Pa (-90.23 psf)	<0.3 mm (<0.01") 6.1 mm (0.24")	Report Only	1, 2, 3
Uniform Load Structural, per ASTM E 330 taken on the horizontal joint between anchors +4800 Pa (+100.25 psf) -4320 Pa (-90.23 psf)	<0.3 mm (<0.01") <0.3 mm (<0.01")	Report Only	1, 2, 3

Rendered to:

ACPEXPRESS
Fort Lee, New Jersey

PRODUCT TYPE: Dry Seal Panel System

SERIES/MODEL: ACP H-100/H-200



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PERFORMANCE TEST REPORT

Test	Average Result
Tensile at 70°F	614 lb maximum
Tensile at 70°F after 14 days water immersion	652 lb maximum
Tensile at 70°F after 1200 hrs UV	524 lb maximum
Tensile at 160°F after 14 days conditioning	378 lb maximum
Tensile at 0°F after 14 days conditioning	866 lb maximum
Cyclic loading of a 2 foot square panel (50,000 cycles)	No Damage
ASTM E84 Surface Burning Characteristics (Flame Spread and Smoke Developed Index)	Flame Spread - 60 Smoke Developed Index - 850
Composition Testing by FTIR	Confirmed PVC TG = 74°C

Rendered to:

ACPEXPRESS, INC.

SERIES/MODEL: ACPEXPRESS
PRODUCT: Panel Attachment System



THE REVOLUTION IN PANEL SYSTEMS



Architectural Testing

TEST REPORT

Report No.: D5845.02-121-24

7.0 Test Results: The test results are tabulated as follows:

Test Results	
Flame Spread Index (FSI):	60
Smoke Developed Index (SDI):	850
Test Operator:	Ben Green
Red Oak Calibration (% * Min):	106.25

Test Data	
FSI (unrounded):	57.8
SDI (unrounded):	859.4
FS * Time Area (Ft * Min):	110.3
Smoke Area (% * Min):	913.1
Fuel Area (°F * Min):	7279.3

Observations	
Ignition Time:	00:23 (Min:Sec)
Max Flame Front Advance:	19.5 Feet
Time to Max Flame Front:	06:55 (Min:Sec)
Max Temp At Exposed T/C:	1455.2°F
Time To Max Temp:	08:27 (Min:Sec)
Dripping Observed:	No
Flaming On Floor Observed:	02:10 (Min:Sec)
After Flame Top Observed:	10:04 (Min:Sec)
After Flame Floor Observed:	10:05 (Min:Sec)
Sagging Observed:	01:27 (Min:Sec)
Delamination Observed:	No
Shrinkage Observed:	No
Fallout Observed:	01:33 (Min:Sec)

Cracking Observed:	No
Observations After the Test:	None

Date Received:	6/19/2014 3:42:20 PM
Manufacturer*:	Allied Metal
Product Type:	PVC Track Product
Series/Model:	N/A
Composition*:	PVC
Conditioning Time:	72+ hours
Specimen Size:	2-1/2 in. wide x 72-1/2 in. long
Thickness:	1 in.
Specimen Sections:	40
Total Weight:	1.56 lbs.
Color:	Clear
Side to Flame:	Flat Side
Support Used*:	1/4 in. steel rods spaced 24 in.
Substrate Used*:	None
Cement Board:	The cement board was placed on top of the sample.

Summary of ASTM E 84 Test Results	
Flame Spread Index	Smoke Developed Index
60	850

Rendered to:

ACPEXPRESS, INC.

PRODUCT TYPE: Panel Attachment System
SERIES/MODEL: ACPEXPRESS

TEST METHOD: ASTM E 84-11a, *Standard Test Method for Surface Burning Characteristics of Building Materials*