



PRODUCT PERFORMANCE THERMAL TEST REPORT

CMI ARCHITECTURAL PRODUCTS, INC.
2800 Freeway Boulevard, Suite 205
Minneapolis, Minnesota 55430

Test Dates: 03/18/05
And: 03/22/05

ATI Report No.: 56045.01-201-46

Series/Model: Series 4000

Type: Aluminum Door Leaf (Insulated & Uninsulated)

Overall Size of Leafs: 36" wide by 84" high

Construction of Leafs: Aluminum interlocking panels (total of 9) secured together with three (3) 3/8" thick, threaded steel rods. One test was conducted with the center panels (part #4008) filled with 1.6 pcf density isocyanurate rigid foam and the end panels (part #40146) left air-filled. A second test was conducted with all the panels as air-filled, only.


Test Procedure: The condensation resistance factor (CRF) and thermal transmittance (U) were determined using with *AAMA 1503-98 as a procedural guide, under the following conditions.

*Note that only a leaf was tested without the framing; thus, the U-factor and CRF were based on this component only, which AAMA 1503-98 does not address.

Average warm side ambient temperature	70.0 F
Average cold side ambient temperature	0.0 F
15 mph dynamic wind applied to test specimen exterior	
0.0 inches H ₂ O static pressure drop across specimen	

Test Results:	w/Foam	w/o Foam
Average leaf temperature (FT):	17.0 °F	16.9 °F
U-factor (Btu/hr/ft ² /°F):	1.11	1.11
Condensation Resistance Factor of Leaf:	25	25

For ARCHITECTURAL TESTING, INC.


Digitally Signed by: Dennis L. Anderson

Dennis L. Anderson
Laboratory Manager

DLA:dl
Attachment: Assembly Drawing

849 Western Avenue North
St. Paul, MN 55117
phone: 651-636-3835
fax: 651-636-3843
www.archtest.com