

ENTRY DOOR TEST RESULTS					
TEST	RESULTS			RATING	
<p style="text-align: center;"><b>AIR INFILTRATION ASTM E283</b></p> <p style="font-size: small;">Air Infiltration Around Edges of Door Panels Shall Not Exceed <math>11.6 \times 10^{-4} \text{ m}^3/\text{s}</math> Per Meter of Crack Length</p>	<b>Door with Full Lite</b>	<b>Measured Value</b>	<b>Maximum Air Infiltration</b>		
	<b>Total Crack Length</b>	5.842 m (19.17 ft.)			
	<b>Infiltration Rate</b> <small>(Per CGSB-82.1-M88)</small>	0.087 m <sup>3</sup> /hr/m <small>(0.016 cfm/ft.)</small>	4.2 m <sup>3</sup> /hr/m <small>(2.5 cfm/ft)</small>	<b>Pass</b>	
	<b>Infiltration Rate</b> <small>(Per AAMA/WDMA/CSA 101/1.5.2/A440-05)</small>	0.072 L/s•m <sup>2</sup> <small>(0.014 cfm/ft<sup>2</sup>)</small>	6.0 L/s•m <sup>2</sup> <small>(1.2 cfm/ft<sup>2</sup>)</small>	<b>Pass</b>	
	<b>Door with No Lite</b>	<b>Measured Value</b>	<b>Maximum Air Infiltration</b>		
	<b>Total Crack Length</b>	5.842 m (19.17 ft.)			
	<b>Infiltration Rate</b> <small>(Per CGSB-82.1-M88)</small>	0.23 m <sup>3</sup> /hr/m <small>(0.042 cfm/ft.)</small>	4.2 m <sup>3</sup> /hr/m <small>(2.5 cfm/ft)</small>	<b>Pass</b>	
	<b>Infiltration Rate</b> <small>(Per AAMA/WDMA/CSA 101/1.5.2/A440-05)</small>	0.19 L/s•m <sup>2</sup> <small>(0.038 cfm/ft<sup>2</sup>)</small>	6.0 L/s•m <sup>2</sup> <small>(1.2 cfm/ft<sup>2</sup>)</small>	<b>Pass</b>	
	<p style="text-align: center;"><b>WATER RESISTANCE ASTM E331</b></p> <p style="font-size: small;">No Water Shall Pass the Interior Face of the Door Unit when Tested for Five Minutes with no Pressure Differential Applied</p>	<b>Door with Full Lite</b>			
		CGSB-82.5-M88	AAMA/WDMA/CSA 101/1.5.2/A440-05		
5 Minute Test Period using a Pressure Differential of 0 Pa (0.0 psf.)		15 Minute Test Period using a Pressure Differential of 0 Pa (0.0 psf.)			
No Water Leakage Observed		No Water Leakage Observed			
<b>Pass</b>		<b>Pass (LW Rating)</b>			
<b>Door with No Lite</b>					
CGSB-82.5-M88		AAMA/WDMA/CSA 101/1.5.2/A440-05			
5 Minute Test Period using a Pressure Differential of 0 Pa (0.0 psf.)		15 Minute Test Period using a Pressure Differential of 0 Pa (0.0 psf.)			
No Water Leakage Observed		No Water Leakage Observed			
<b>Pass</b>		<b>Pass (LW Rating)</b>			
<b>CONCLUSION</b>					
<ul style="list-style-type: none"> <li>Based on the Test Results, the 946mm Wide x 2083mm High Inswing Insulated Steel Door Described in this Report Met the Air and Water Tightness Performance Requirements Specified in CGSB-82.1-M88 "Insulated Steel Doors", AAMA/WDMA/CSA 101/1.5.2/A440-05 "Standards/Specifications for Windows, Doors and unit Skylights."</li> </ul>					

**PAINT PERFORMANCE TEST RESULTS**

TEST NAME	METHOD USED	RESULTS ACHIEVED
<b>Accelerated UV Water Exposure Test</b>	ASTM G-53 (340 UV Tubes) Total Exposure: 2000h Cycles 4h UV/40°C Measuring Procedure for: <ul style="list-style-type: none"> <li>• Colour Change: ASTM D - 2244</li> <li>• Gloss Retention: ASTM D - 523</li> </ul>	Colour Expressed in $\Delta E$ Equal to 1.0=0.5 Gloss Retention: Not Less than 90% of Initial Gloss Preserved No Blistering, No Chalking
<b>Adhesion</b>	ASTM G - 3359	100% Adhesion
<b>Hardness</b>	ASTM G - 3363	HB'+
<b>Taber Abrasion Resistance</b>	ASTM D - 4060 CS-10 Wheels 1000g of Load (1000 Wear Cycles)	Weight Loss: Less than 150mg
<b>Effect of Household Chemicals</b>	ASTM D - 1308 24h Immersion Test in 100% Detergent 24h Covered Spot Tests for Ketchup, Mustard, Coffee, Black Tana Shoe Polish	Detergent Tests: No Change in Appearance and Adhesion of the Finish Spot Tests: No Change, Only Slight Trace of Shoe Polish
<b>Impact Resistance</b>	ASTM D-4226 Test Specimen: Geon Canada, Grade 6935 Thickness 50 & 80 Mils	Impact Direct: Minimum 1.2lb x inch/mil: <b>Pass</b>
<b>Heat Build-Up</b>	ASTM D-4803	Heat Build-Up Does Not Exceed 32.5°C for Horizontal Position of Test Specimen