



**NFRC SIMULATION IN ACCORDANCE WITH  
ANSI/NFRC 100, ANSI/NFRC 200 and NFRC 500**

<b>CLEB laboratory Inc.</b>	<b>Submitted to:</b>	<b>Reissued To:</b>
Report No.: NS-02757-1 Rev.1	Aluminco S.A.	
Reissued Report No.: N/A	Inofita Greece 32011 +30 22620 47000	N/A

Report Summary			
Operation Type:	DATT	Product Line ID Number:	N/A
Series/Model:	AL 450	Report Type:	Initial Certification
Report Date:	2016-10-28	Simulation Date :	2016-10-28
Revision Date:	2017-04-18	Number of Pages:	6

Reissue Information			
Model:	N/A	Date of Reissue:	N/A
Reason for submittal:	N/A	Revision Date:	N/A
Product Line ID Number:	N/A		

Validation test sample configuration			
Operation Type:	DATT	Door description:	N/A
Series/Model:	AL 450	Panel	N/A
Frame Type:	AT	Core Fill:	N/A
Sash Type:	AT	Skin:	N/A
Reinforcement:	None	Sub-Structure:	N/A
Size:	1200 mm W. x 1500 mm H. (47.24" x 59.06")		

**Glazing: FZTE\_SB70XL#2-Arg90-ClrPPG**

Type: Double Sealed Unit  
 Spacer Type: S6-D  
 Overall Thickness: 28.98 mm (1.14")  
 Filling Technique: Single probe  
 Design Gas Fill: Argon/Air  
 Gas Concentration: 90% Argon, 10% Air

	Thickness		Emissivity							
	mm	inch	S1	S2	S3	S4	S5	S6	S7	S8
Glass 1	5.0	0.20	0.842	0.018						
Glass 2	6.0	0.24			0.840	0.840				
Glass 3	N/A	N/A					N/A	N/A		
Glass 4	N/A	N/A							N/A	N/A
Gap 1	17.98	0.71								
Gap 2	N/A	N/A								
Gap 3	N/A	N/A								

**U:2.07 W/(m<sup>2</sup>.K); 0.36 BTU/(hr.ft<sup>2</sup>.F)**

*Note: Reference must be made to CLEB laboratory Inc. complete report for specimen description and detailed simulation results.*

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