

NFRC Product Certification Authorization Report



Manufacturer: MGM Industries

Product Series: 9200 Inswing/9300
Outswing Door

Simulation Lab: SATI

Initial Cert. Date: 01/13/2012

Street: 287 Free Hill Road

Product Type: EDSL

Sim. Report #: A3292.06-116-45

Re-Certification Date:

City/State/Zip: Hendersonville, TN 37075

Air Leakage:

Sim. Report Date: 11/08/2010

Revised Date: 03/23/2012

Print Date: 03/23/2012

Test Date: 10/21/2010

Expiration Date: 10/21/2014

CPD Number: MGM-A-35

IA: American Architectural Manufacturers Association

Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.
	00007-00001	CL / AIR / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: AIR (100)	N		CL	0.51	0.46	0.48	42
	00007-00002	CL / AIR / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.51	0.40	0.41	42
	00007-00003	CL / AIR / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: AIR (100)	G	1.50	CL	0.51	0.34	0.35	42
	00007-00004	GY / AIR / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: AIR (100)	N		GY	0.51	0.37	0.33	42
	00007-00005	GY / AIR / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: AIR (100)	G	0.75	GY	0.51	0.32	0.28	42
	00007-00006	GY / AIR / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: AIR (100)	G	1.50	GY	0.51	0.27	0.24	42
	00007-00007	BZ / AIR / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: AIR (100)	N		BZ	0.51	0.38	0.36	42
	00007-00008	BZ / AIR / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: AIR (100)	G	0.75	BZ	0.51	0.33	0.31	42
	00007-00009	BZ / AIR / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: AIR (100)	G	1.50	BZ	0.51	0.28	0.26	42
	00008-00001	CL / ARG / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.50	0.46	0.48	42
	00008-00002	CL / ARG / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.50	0.40	0.41	42
	00008-00003	CL / ARG / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	1.50	CL	0.50	0.34	0.35	42
	00008-00004	GY / ARG / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.50	0.37	0.33	42
	00008-00005	GY / ARG / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.50	0.32	0.28	42
	00008-00006	GY / ARG / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	1.50	GY	0.50	0.27	0.24	42
	00008-00007	BZ / ARG / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.50	0.38	0.36	42
	00008-00008	BZ / ARG / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.50	0.33	0.31	42
	00008-00009	BZ / ARG / CL (DS/DS) 1"	VA/VA	2		0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	1.50	BZ	0.50	0.28	0.26	42
	00009-00001	E270 / AIR / CL (DS/DS) 1"	VA/VA	2	0.037(2)	0.750	CU-D	Fill 1: AIR (100)	N		CL	0.42	0.23	0.41	42
	00009-00002	E270 / AIR / CL (DS/DS) 1"	VA/VA	2	0.037(2)	0.750	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.42	0.20	0.35	42
	00009-00003	E270 / AIR / CL (DS/DS) 1"	VA/VA	2	0.037(2)	0.750	CU-D	Fill 1: AIR (100)	G	1.50	CL	0.42	0.17	0.30	42
	00009-00004	CL / AIR / E270 (DS/DS) 1"	VA/VA	2	0.037(3)	0.750	CU-D	Fill 1: AIR (100)	N		CL	0.42	0.28	0.41	42
	00009-00005	CL / AIR / E270 (DS/DS) 1"	VA/VA	2	0.037(3)	0.750	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.42	0.25	0.35	42
	00009-00006	CL / AIR / E270 (DS/DS) 1"	VA/VA	2	0.037(3)	0.750	CU-D	Fill 1: AIR (100)	G	1.50	CL	0.42	0.21	0.30	42

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City/State/Zip: Hendersonville, TN 37075 **Air Leakage:** **Sim. Report Date:** 11/08/2010 **Revised Date:** 03/23/2012
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CPD Number: MGM-A-35															IA: American Architectural Manufacturers Association
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.
	00010-00001	E270 / ARG / CL (DS/DS) 1"	VA/VA	2	0.037(2)	0.750	CU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.39	0.23	0.41	42
	00010-00002	E270 / ARG / CL (DS/DS) 1"	VA/VA	2	0.037(2)	0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.39	0.20	0.35	42
	00010-00003	E270 / ARG / CL (DS/DS) 1"	VA/VA	2	0.037(2)	0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	1.50	CL	0.39	0.17	0.30	42
	00010-00004	CL / ARG / E270 (DS/DS) 1"	VA/VA	2	0.037(3)	0.750	CU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.39	0.28	0.41	42
	00010-00005	CL / ARG / E270 (DS/DS) 1"	VA/VA	2	0.037(3)	0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.39	0.25	0.35	42
	00010-00006	CL / ARG / E270 (DS/DS) 1"	VA/VA	2	0.037(3)	0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	1.50	CL	0.39	0.21	0.30	42
	00011-00001	E366 / AIR / CL (DS/DS) 1"	VA/VA	2	0.022(2)	0.750	CU-D	Fill 1: AIR (100)	N		CL	0.41	0.17	0.38	42
	00011-00002	E366 / AIR / CL (DS/DS) 1"	VA/VA	2	0.022(2)	0.750	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.41	0.15	0.33	42
	00011-00003	E366 / AIR / CL (DS/DS) 1"	VA/VA	2	0.022(2)	0.750	CU-D	Fill 1: AIR (100)	G	1.50	CL	0.41	0.13	0.28	42
	00011-00004	CL / AIR / E336 (DS/DS) 1"	VA/VA	2	0.022(3)	0.750	CU-D	Fill 1: AIR (100)	N		CL	0.41	0.24	0.38	42
	00011-00005	CL / AIR / E336 (DS/DS) 1"	VA/VA	2	0.022(3)	0.750	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.41	0.21	0.33	42
	00011-00006	CL / AIR / E336 (DS/DS) 1"	VA/VA	2	0.022(3)	0.750	CU-D	Fill 1: AIR (100)	G	1.50	CL	0.41	0.18	0.28	42
	00012-00001	E366 / ARG / CL (DS/DS) 1"	VA/VA	2	0.022(2)	0.750	CU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.39	0.17	0.38	42
	00012-00002	E366 / ARG / CL (DS/DS) 1"	VA/VA	2	0.022(2)	0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.39	0.15	0.33	42
	00012-00003	E366 / ARG / CL (DS/DS) 1"	VA/VA	2	0.022(2)	0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	1.50	CL	0.39	0.13	0.28	42
	00012-00004	CL / ARG / E336 (DS/DS) 1"	VA/VA	2	0.022(3)	0.750	CU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.39	0.24	0.38	42
	00012-00005	CL / ARG / E336 (DS/DS) 1"	VA/VA	2	0.022(3)	0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.39	0.21	0.33	42
	00012-00006	CL / ARG / E336 (DS/DS) 1"	VA/VA	2	0.022(3)	0.750	CU-D	Fill 1: ARG/AIR (95/5)	G	1.50	CL	0.39	0.18	0.28	42
	00013-00001	LAMI090/AIR/CLR (Lami/3mm) 1"	VA/VA	2		0.531	CU-D	Fill 1: AIR (100)	N		CL	0.50	0.40	0.47	42
	00013-00002	LAMI090/AIR/CLR (Lami/3mm) 1"	VA/VA	2		0.531	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.50	0.35	0.40	42
	00013-00003	LAMI090/AIR/CLR (Lami/3mm) 1"	VA/VA	2		0.531	CU-D	Fill 1: AIR (100)	G	1.50	CL	0.50	0.30	0.34	42
	00014-00001	E270/AIR/LAMI090 (3mm/Lami) 1"	VA/VA	2	0.037(2)	0.531	CU-D	Fill 1: AIR (100)	N		CL	0.40	0.23	0.40	42
	00014-00002	E270/AIR/LAMI090 (3mm/Lami) 1"	VA/VA	2	0.037(2)	0.531	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.40	0.20	0.34	42
	00014-00003	E270/AIR/LAMI090 (3mm/Lami) 1"	VA/VA	2	0.037(2)	0.531	CU-D	Fill 1: AIR (100)	G	1.50	CL	0.40	0.17	0.29	42
	00014-00004	LAMI090/AIR/E270 (Lami/3mm) 1"	VA/VA	2	0.037(3)	0.531	CU-D	Fill 1: AIR (100)	N		CL	0.40	0.26	0.40	42

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Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00014-00005	LAMI090/AIR/E270 (Lami/3mm) 1"	VA/VA	2	0.037(3)	0.531	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.40	0.23	0.34	42	
	00014-00006	LAMI090/AIR/E270 (Lami/3mm) 1"	VA/VA	2	0.037(3)	0.531	CU-D	Fill 1: AIR (100)	G	1.50	CL	0.40	0.20	0.29	42	
	00015-00001	E270/ARG/LAMI090 (3mm/Lami) 1"	VA/VA	2	0.037(2)	0.531	CU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.38	0.23	0.40	43	
	00015-00002	E270/ARG/LAMI090 (3mm/Lami) 1"	VA/VA	2	0.037(2)	0.531	CU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.38	0.20	0.34	43	
	00015-00003	E270/ARG/LAMI090 (3mm/Lami) 1"	VA/VA	2	0.037(2)	0.531	CU-D	Fill 1: ARG/AIR (95/5)	G	1.50	CL	0.38	0.17	0.29	43	
	00015-00004	LAMI090/ARG/E270 (Lami/3mm) 1"	VA/VA	2	0.037(3)	0.531	CU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.38	0.26	0.40	43	
	00015-00005	LAMI090/ARG/E270 (Lami/3mm) 1"	VA/VA	2	0.037(3)	0.531	CU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.38	0.23	0.34	43	
	00015-00006	LAMI090/ARG/E270 (Lami/3mm) 1"	VA/VA	2	0.037(3)	0.531	CU-D	Fill 1: ARG/AIR (95/5)	G	1.50	CL	0.38	0.20	0.29	43	
	00016-00001	E366/AIR/LAMI090 (3mm/Lami) 1"	VA/VA	2	0.022(2)	0.531	CU-D	Fill 1: AIR (100)	N		CL	0.40	0.17	0.37	42	
	00016-00002	E366/AIR/LAMI090 (3mm/Lami) 1"	VA/VA	2	0.022(2)	0.531	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.40	0.15	0.32	42	
	00016-00003	E366/AIR/LAMI090 (3mm/Lami) 1"	VA/VA	2	0.022(2)	0.531	CU-D	Fill 1: AIR (100)	G	1.50	CL	0.40	0.13	0.27	42	
	00016-00004	LAMI090/AIR/E366 (Lami/3mm) 1"	VA/VA	2	0.022(3)	0.531	CU-D	Fill 1: AIR (100)	N		CL	0.40	0.23	0.37	42	
	00016-00005	LAMI090/AIR/E366 (Lami/3mm) 1"	VA/VA	2	0.022(3)	0.531	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.40	0.20	0.32	42	
	00016-00006	LAMI090/AIR/E366 (Lami/3mm) 1"	VA/VA	2	0.022(3)	0.531	CU-D	Fill 1: AIR (100)	G	1.50	CL	0.40	0.17	0.27	42	
	00017-00001	E366/ARG/LAMI090 (3mm/Lami) 1"	VA/VA	2	0.022(2)	0.531	CU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.37	0.17	0.37	43	
	00017-00002	E366/ARG/LAMI090 (3mm/Lami) 1"	VA/VA	2	0.022(2)	0.531	CU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.37	0.15	0.32	43	
	00017-00003	E366/ARG/LAMI090 (3mm/Lami) 1"	VA/VA	2	0.022(2)	0.531	CU-D	Fill 1: ARG/AIR (95/5)	G	1.50	CL	0.37	0.13	0.27	43	
	00017-00004	LAMI090/ARG/E366 (Lami/3mm) 1"	VA/VA	2	0.022(3)	0.531	CU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.37	0.23	0.37	43	
	00017-00005	LAMI090/ARG/E366 (Lami/3mm) 1"	VA/VA	2	0.022(3)	0.531	CU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.37	0.20	0.32	43	
	00017-00006	LAMI090/ARG/E366 (Lami/3mm) 1"	VA/VA	2	0.022(3)	0.531	CU-D	Fill 1: ARG/AIR (95/5)	G	1.50	CL	0.37	0.17	0.27	43	

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TATI	10/21/2010	959mm x 2052mm	0.407	0.388	A3293.02-116-46-R0

Comments:

I hereby certify that all requirements for NFRC Certification Authorization have been met and that the above information is true and correct, to the best of my knowledge.

Authorized IA
Signature: _____