

NFRC Product Certification Authorization Report



Manufacturer: MGM Industries **Product Series:** 7010 Fixed Sash **Simulation Lab:** SNCT **Initial Cert. Date:** 02/20/2004
Street: 287 Free Hill Road **Product Type:** FIXD **Sim. Report #:** NCTL-110-14264-01 **Re-Certification Date:** 11/15/2011
City/State/Zip: Hendersonville, TN 37075 **Air Leakage:** 0.10000 **Sim. Report Date:** 08/23/2011 **Revised Date:** 08/23/2011
Print Date: 11/15/2011 **Test Date:** 10/03/2011 **Expiration Date:** 10/03/2015

CPD Number: MGM-A-8

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	2mm Clear/AIR/2mm Clear	VY/VY	2		0.553	SU-D	Fill 1: AIR (100)	N		CL	0.45	0.61	0.64	45
	00010-00002	2mm Clear/AIR/2mm Clear	VY/VY	2		0.553	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.45	0.55	0.57	45
	00010-00003	3mm Clear/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	N		CL	0.45	0.60	0.63	45
	00010-00004	3mm Clear/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.45	0.54	0.56	45
	00010-00005	3mm Gray/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	N		GY	0.45	0.47	0.43	45
	00010-00006	3mm Gray/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.45	0.42	0.39	45
	00010-00007	3mm Bronze/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.45	0.48	0.47	45
	00010-00008	3mm Bronze/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.45	0.43	0.42	45
	00011-00001	2 mm LoE ² 270/AIR/2mm Clear	VY/VY	2	0.037(2)	0.553	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.29	0.54	58
	00011-00002	2 mm LoE ² 270/AIR/2mm Clear	VY/VY	2	0.037(2)	0.553	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.26	0.48	58
	00011-00003	3 mm LoE ² 270/AIR/3mm Clear	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.29	0.54	58
	00011-00004	3 mm LoE ² 270/AIR/3mm Clear	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.26	0.48	58
	00011-00005	2mm Clear/AIR/2 mm LoE ² 270	VY/VY	2	0.037(3)	0.553	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.36	0.54	58
	00011-00006	2mm Clear/AIR/2 mm LoE ² 270	VY/VY	2	0.037(3)	0.553	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.32	0.48	58
	00011-00007	3mm Clear/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.35	0.54	58
	00011-00008	3mm Clear/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.32	0.48	58
	00011-00009	3mm Gray/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.32	0.27	0.37	58
	00011-00010	3mm Gray/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.32	0.25	0.33	58
	00011-00011	3mm Bronze/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.32	0.28	0.40	58
	00011-00012	3mm Bronze/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.32	0.26	0.36	58
	00011-00013	3 mm LoE ² 270/AIR/3mm Gray	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.32	0.28	0.37	58
	00011-00014	3 mm LoE ² 270/AIR/3mm Gray	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.32	0.25	0.33	58
	00011-00015	3 mm LoE ² 270/AIR/3mm Bronze	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.32	0.28	0.40	58
	00011-00016	3 mm LoE ² 270/AIR/3mm Bronze	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.32	0.25	0.36	58
	00012-00001	2 mm LoE ² 270/ARG/2mm Clear	VY/VY	2	0.037(2)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.28	0.29	0.54	62

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CPD Number: MGM-A-8

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	00012-00002	2 mm LoE ² 270/ARG/2mm Clear	VY/VY	2	0.037(2)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.28	0.26	0.48	62
	00012-00003	3 mm LoE ² 270/ARG/3mm Clear	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.28	0.29	0.54	62
	00012-00004	3 mm LoE ² 270/ARG/3mm Clear	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.28	0.26	0.48	62
	00012-00005	2mm Clear/ARG/2 mm LoE ² 270	VY/VY	2	0.037(3)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.28	0.36	0.54	62
	00012-00006	2mm Clear/ARG/2 mm LoE ² 270	VY/VY	2	0.037(3)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.28	0.32	0.48	62
	00012-00007	3mm Clear/ARG/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.28	0.36	0.54	62
	00012-00008	3mm Clear/ARG/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.28	0.32	0.48	62
	00012-00009	3mm Gray/ARG/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.28	0.27	0.37	62
	00012-00010	3mm Gray/ARG/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.28	0.24	0.33	62
	00012-00011	3mm Bronze/ARG/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.28	0.28	0.40	62
	00012-00012	3mm Bronze/ARG/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.28	0.25	0.36	62
	00012-00013	3 mm LoE ² 270/ARG/3mm Gray	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.28	0.28	0.37	62
	00012-00014	3 mm LoE ² 270/ARG/3mm Gray	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.28	0.25	0.33	62
	00012-00015	3 mm LoE ² 270/ARG/3mm Bronze	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.28	0.28	0.40	62
	00012-00016	3 mm LoE ² 270/ARG/3mm Bronze	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.28	0.25	0.36	62
	00013-00001	2 mm LoE ³ 366/AIR/2mm Clear	VY/VY	2	0.022(2)	0.553	SU-D	Fill 1: AIR (100)	N		CL	0.31	0.22	0.50	58
	00013-00002	2 mm LoE ³ 366/AIR/2mm Clear	VY/VY	2	0.022(2)	0.553	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.45	58
	00013-00003	3 mm LoE ³ 366/AIR/3mm Clear	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.31	0.22	0.50	58
	00013-00004	3 mm LoE ³ 366/AIR/3mm Clear	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.44	58
	00013-00005	2mm Clear/AIR/2 mm LoE ³ 366	VY/VY	2	0.022(3)	0.553	SU-D	Fill 1: AIR (100)	N		CL	0.31	0.30	0.50	58
	00013-00006	2mm Clear/AIR/2 mm LoE ³ 366	VY/VY	2	0.022(3)	0.553	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.31	0.27	0.45	58
	00013-00007	3mm Clear/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.31	0.30	0.50	58
	00013-00008	3mm Clear/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.31	0.27	0.44	58
	00013-00009	3mm Gray/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.31	0.23	0.34	58
	00013-00010	3mm Gray/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.31	0.21	0.30	58

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	00013-00011	3mm Bronze/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.31	0.24	0.37	58
	00013-00012	3mm Bronze/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.31	0.22	0.33	58
	00013-00013	3 mm LoE ³ 366/AIR/3mm Gray	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.31	0.21	0.34	58
	00013-00014	3 mm LoE ³ 366/AIR/3mm Gray	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.31	0.19	0.30	58
	00013-00015	3 mm LoE ³ 366/AIR/3mm Bronze	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.31	0.21	0.37	58
	00013-00016	3 mm LoE ³ 366/AIR/3mm Bronze	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.31	0.19	0.33	58
	00014-00001	2 mm LoE ³ 366/ARG/2mm Clear	VY/VY	2	0.022(2)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.27	0.21	0.50	62
	00014-00002	2 mm LoE ³ 366/ARG/2mm Clear	VY/VY	2	0.022(2)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.27	0.19	0.45	62
	00014-00003	3 mm LoE ³ 366/ARG/3mm Clear	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.27	0.21	0.50	62
	00014-00004	3 mm LoE ³ 366/ARG/3mm Clear	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.27	0.19	0.44	62
	00014-00005	2mm Clear/ARG/2 mm LoE ³ 366	VY/VY	2	0.022(3)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.27	0.31	0.50	62
	00014-00006	2mm Clear/ARG/2 mm LoE ³ 366	VY/VY	2	0.022(3)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.27	0.27	0.45	62
	00014-00007	3mm Clear/ARG/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.27	0.30	0.50	62
	00014-00008	3mm Clear/ARG/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.27	0.27	0.44	62
	00014-00009	3mm Gray/ARG/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.27	0.23	0.34	62
	00014-00010	3mm Gray/ARG/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.27	0.21	0.30	62
	00014-00011	3mm Bronze/ARG/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.27	0.24	0.37	62
	00014-00012	3mm Bronze/ARG/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.27	0.22	0.33	62
	00014-00013	3 mm LoE ³ 366/ARG/3mm Gray	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.27	0.21	0.34	62
	00014-00014	3 mm LoE ³ 366/ARG/3mm Gray	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.27	0.19	0.30	62
	00014-00015	3 mm LoE ³ 366/ARG/3mm Bronze	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.27	0.21	0.37	62
	00014-00016	3 mm LoE ³ 366/ARG/3mm Bronze	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.27	0.19	0.33	62
	00015-00001	3mm Gray/ARG/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.43	0.47	0.43	47
	00015-00002	3mm Gray/ARG/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.43	0.42	0.39	47
	00015-00003	3mm Bronze/ARG/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.43	0.48	0.47	47

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	00015-00004	3mm Bronze/ARG/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.43	0.43	0.42	47

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TNCT	10/03/2011	1200mm X 1500mm	0.300	0.300	NCTL-110-14265-1

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: _____