

NFRC Product Certification Authorization Report



Manufacturer: MGM Industries
Street: 287 Free Hill Road
City/State/Zip: Hendersonville, TN 37075
Print Date: 11/15/2011

Product Series: 6010 Horizontal Slider
Product Type: HSOX
Air Leakage: 0.10000

Simulation Lab: SNCT
Sim. Report #: NCTL-110-14274-01
Sim. Report Date: 08/22/2011
Test Date: 10/10/2011

Initial Cert. Date: 11/14/2011
Re-Certification Date:
Revised Date: 08/22/2011
Expiration Date: 10/10/2015

CPD Number: MGM-A-32

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.
	00001-00001	2mm Clear/AIR/2mm Clear	VY/VY	2		0.553	SU-D	Fill 1: AIR (100)	N		CL	0.47	0.62	0.64	44
	00001-00002	2mm Clear/AIR/2mm Clear	VY/VY	2		0.553	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.47	0.55	0.57	44
	00001-00003	3mm Clear/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	N		CL	0.47	0.60	0.63	44
	00001-00004	3mm Clear/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.47	0.54	0.57	44
	00001-00005	3mm Gray/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	N		GY	0.47	0.47	0.43	44
	00001-00006	3mm Gray/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.47	0.42	0.39	44
	00001-00007	3mm Bronze/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.47	0.48	0.48	44
	00001-00008	3mm Bronze/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.47	0.43	0.42	44
	00002-00001	2 mm LoE ² 270/AIR/2mm Clear	VY/VY	2	0.037(2)	0.553	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.29	0.55	56
	00002-00002	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	0.33	0.26	0.49	56
	00002-00003	3 mm LoE ² 270/AIR/3mm Clear	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.29	0.54	56
	00002-00004	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	0.33	0.26	0.48	56
	00002-00005	2mm Clear/AIR/2 mm LoE ² 270	VY/VY	2	0.037(3)	0.553	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.36	0.55	56
	00002-00006	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	0.33	0.32	0.49	56
	00002-00007	3mm Clear/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.36	0.54	56
	00002-00008	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	0.33	0.32	0.48	56
	00002-00009	3mm Gray/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.33	0.27	0.37	56
	00002-00010	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	0.33	0.25	0.33	56
	00002-00011	3mm Bronze/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.33	0.29	0.41	56
	00002-00012	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	0.33	0.26	0.36	56
	00002-00013	3 mm LoE ² 270/AIR/3mm Gray	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.33	0.28	0.37	56
	00002-00014	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	0.33	0.25	0.33	56
	00002-00015	3 mm LoE ² 270/AIR/3mm Bronze	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.33	0.28	0.41	56
	00002-00016	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	0.33	0.25	0.36	56
	00003-00001	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	0.29	0.29	0.55	59

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	00003-00002	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	0.29	0.26	0.49	59
	00003-00003	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	0.29	0.29	0.54	59
	00003-00004	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	0.29	0.26	0.48	59
	00003-00005	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	0.29	0.36	0.55	59
	00003-00006	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	0.29	0.33	0.49	59
	00003-00007	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	0.29	0.36	0.54	59
	00003-00008	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	0.29	0.32	0.48	59
	00003-00009	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	0.29	0.27	0.37	59
	00003-00010	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	0.29	0.24	0.33	59
	00003-00011	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	0.29	0.28	0.41	59
	00003-00012	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	0.29	0.26	0.36	59
	00003-00013	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	0.29	0.28	0.37	59
	00003-00014	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	0.29	0.25	0.33	59
	00003-00015	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	0.29	0.28	0.41	59
	00003-00016	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	0.29	0.25	0.36	59
	00004-00001	2 mm LoE ³ 366/AIR/2mm Clear	VY/VY	2	0.022(2)	0.553	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.22	0.50	56
	00004-00002	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	0.33	0.20	0.45	56
	00004-00003	3 mm LoE ³ 366/AIR/3mm Clear	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.22	0.50	56
	00004-00004	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	0.33	0.20	0.44	56
	00004-00005	2mm Clear/AIR/2 mm LoE ³ 366	VY/VY	2	0.022(3)	0.553	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.30	0.50	56
	00004-00006	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	0.33	0.27	0.45	56
	00004-00007	3mm Clear/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.30	0.50	56
	00004-00008	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	0.33	0.27	0.44	56
	00004-00009	3mm Gray/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.33	0.23	0.34	56
	00004-00010	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	0.33	0.21	0.30	56

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	00004-00011	3mm Bronze/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.33	0.24	0.37	56
	00004-00012	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	0.33	0.22	0.33	56
	00004-00013	3 mm LoE ³ 366/AIR/3mm Gray	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.33	0.21	0.34	56
	00004-00014	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	0.33	0.19	0.30	56
	00004-00015	3 mm LoE ³ 366/AIR/3mm Bronze	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.33	0.21	0.37	56
	00004-00016	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	0.33	0.19	0.33	56
	00005-00001	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	0.29	0.21	0.50	60
	00005-00002	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	0.29	0.19	0.45	60
	00005-00003	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	0.29	0.21	0.50	60
	00005-00004	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	0.29	0.19	0.44	60
	00005-00005	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	0.29	0.31	0.50	60
	00005-00006	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	0.29	0.28	0.45	60
	00005-00007	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	0.29	0.30	0.50	60
	00005-00008	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	0.29	0.27	0.44	60
	00005-00009	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	0.29	0.23	0.34	60
	00005-00010	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	0.29	0.21	0.30	60
	00005-00011	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	0.29	0.24	0.37	60
	00005-00012	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	0.29	0.22	0.33	60
	00005-00013	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	0.29	0.21	0.34	60
	00005-00014	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	0.29	0.19	0.30	60
	00005-00015	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	0.29	0.21	0.37	60
	00005-00016	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	0.29	0.19	0.33	60
	00006-00001	3mm Gray/ARG/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.45	0.47	0.43	46
	00006-00002	3mm Bronze/ARG/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.45	0.48	0.48	46

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TNCT	10/10/2011	1500mm X 1200mm	0.330	0.320	NCTL-110-14275-1

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: _____