

NFRC Product Certification Authorization Report



Manufacturer: Smartglass Inc. **Product Series:** KELLER minimal windows®4+ Horizontal Sliding Window **Simulation Lab:** SFTL **Initial Cert. Date:** 03/30/2016
Street: 55 S.E. 2nd Avenue **Product Type:** HSOX **Sim. Report #:** 8672 **Re-Certification Date:**
City/State/Zip: Delray Beach, FL 33444 **Air Leakage:** **Sim. Report Date:** 10/19/2015 **Revised Date:** 03/23/2016
Print Date: 03/30/2016 **Test Date:** 08/11/2015 **Expiration Date:** 08/11/2020

CPD Number: SMG-M-4													IA: National Accreditation And Management Institute			
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	1/4" SNX 51/23-ARG-1/4" clear-ARG-1/4" clear	AT/AP	3	0.021(2)	0.687,0.687	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		CL	0.32	0.16	0.33	61	
	00002-00001	1/4" SNX 62/27-ARG-1/4" clear-ARG-1/4" clear	AT/AP	3	0.02(2)	0.687,0.687	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		CL	0.32	0.18	0.40	61	
	00002-00002	1/4" SNX62/27 gray-ARG-1/4" clear-ARG-1/4" clear	AT/AP	3	0.02(2)	0.687,0.687	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		GY	0.32	0.15	0.29	61	
	00003-00001	1/4" SN 68-ARG-1/4" clear-ARG-1/4" clear	AT/AP	3	0.039(2)	0.687,0.687	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		CL	0.32	0.26	0.44	61	
	00004-00001	1/4" SN68-ARG-1/4" clear-ARG-1/4" IS20	AT/AP	3	0.039(2),0.198(6)	0.687,0.687	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		CL	0.30	0.25	0.43	55	
	00005-00001	1/4" SNX62/27 gray-ARG-1/4" clear-ARG-1/4" IS20	AT/AP	3	0.02(2),0.198(6)	0.687,0.687	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		GY	0.30	0.14	0.28	55	
	00006-00001	1/4" SNX51/23-ARG-1/4" clear-ARG-1/4" IS20	AT/AP	3	0.021(2),0.198(6)	0.687,0.687	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		CL	0.30	0.15	0.32	55	
	00007-00001	1/4" LoE366-ARG-1/4" clear-ARG-1/4" i89	AT/AP	3	0.022(2),0.149(6)	0.687,0.687	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		CL	0.30	0.18	0.40	54	
	00008-00001	1/4" SB70XL-ARG-1/4" clear-ARG-1/4" clear	AT/AP	3	0.018(2)	0.687,0.687	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		CL	0.32	0.19	0.42	61	
	00009-00001	1/4" SBR100-ARG-1/4" clear-ARG-1/4" clear	AT/AP	3	0.036(2)	0.687,0.687	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		CL	0.32	0.16	0.27	61	
	00010-00001	1/4" SB70XL-ARG-1/4" clear-ARG-1/4" Energy Advantage	AT/AP	3	0.018(2),0.157(6)	0.687,0.687	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		CL	0.30	0.18	0.38	54	

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	00011-00001	1/4" SN68-090 interlayer-1/4 clear-ARG-1/4 clear-ARG-1/4 clear-090 interlayer-1/4 clear	AT/AP	3		0.375,0.375	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		CL	0.41	0.22	0.38	57
	00012-00001	1/4" SN68-090 interlayer-1/4" clear-ARG-1/4 clear-ARG-1/4 clear-090 interlayer-1/4 IS20	AT/AP	3	0.149(6)	0.375,0.375	TS-D	Fill 1: ARG/AIR (90/10), Fill 2: ARG/AIR (90/10)	N		CL	0.37	0.21	0.37	46

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TFTL	08/11/2015	2000 mm x 2000 mm	0.318	0.307	8234

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: _____

