



KEYSTONE CERTIFICATIONS, INC.
 1790 OLD TRAIL ROAD, SUITE D
 ETTERS, PA 17319 / PHONE 717-932-8500

Notice of Product Certification Authorization

National Fenestration Rating Council

Issued To:

Manufacturer: Best Window & Door Co.
 Address: 501 Broad Street
 Johnstown PA 15906
 Man'f Code BES
 Cert Date: 3/1/2006

Certification Number

3641

Product Line Number

BES - K - 006

Revision Date

3/24/2009

The Following NFRC Product Line Has Been Authorized For Certification:

Model / Series: S-3100/4100 Fixed Casement
 Operator Type: FIXD
 Frame Type: VY
 Sash Type: N/A
 Exp. Date: 7/11/2011

Ratings Authorized For Certification:

Rating	Property	Authorized
NFRC 100	U-factor	<input checked="" type="checkbox"/>
NFRC 200	Solar Heat Gain Coefficient	<input checked="" type="checkbox"/>
NFRC 200	Visible Light	<input checked="" type="checkbox"/>
NFRC 400	Air Leakage	<input type="checkbox"/>
NFRC 500	Condensation Resistance	<input checked="" type="checkbox"/>

Conditions And Criteria For Product Certification Authorization:

Manufacturer Agrees To The Following Conditions And Criteria Per The NFRC PCP:

- 8.1 Products are marketed consistent to the simulated products.
- 4.3.5 Waiver requests shall be submitted to IA prior to marketing new products.
- 6.1A Only products with labels shall be considered certified.
- 6.1B Only products authorized for certification shall be labeled.
- 6.2 Manufacturer shall designate individual responsible for the proper labeling.
- 6.1D Manufacturer shall not use labels that are false, inaccurate or misleading.
- 8.2A Manufacturer shall maintain a documented in-plant quality control program.
- 8.2B Quality control records shall be maintained for 4 years.
- 8.2C Manufacturer shall have staff to properly inspect and maintain quality control records.
- 6.3 A, B Manufacturer agrees to the proper use of temporary and permanent labels.
- 6.3 C Manufacturer shall have temporary labels approved prior to printing.
- 8.3B Manufacturer agrees to obtain permission from NFRC to use the NFRC Certification Mark.

Attached are the Certification Authorization Reports printed from the NFRC database.

The Manufacturer is authorized to label the options listed in the reports.

Please notify Keystone of any errors or omissions within 10 days of receipt.

Authorized Signature: _____

Due diligence was used in authorizing these products for certification. By accepting this report the licensee agrees to hold harmless and indemnify Keystone Certifications, Inc. from all claims or liabilities which may arise based on this certification authorization. Certification authorization is based on NFRC program requirements and simulation and test reports from accredited laboratories.

NFRC Product Certification Authorization Report



IA: Keystone Certifications, Inc.

Manufacturer: Best Window and Door Company
Product Series: S-3100/4100 Fixed Casement
Simulation Lab: SEEL
Test Date: 7/11/2007

Street: 332 Strayer Street
Type: Window
Simulation Report Date: 10/29/2007
Initial Certification Date: 03/01/2006

City/State/Zip: Johnstown, PA 15906
CPD Number: BES-K-6
Simulation Report Number: BWI701w-c-A1
Re-Certification Date: 03/11/2008

Revised Date: Mar 3 2009 12:00AM
Air Leakage:

Expiration Date: 07/11/2011

Print Date: 03/25/2009

Status	Prod. Num.	Mfr. Code	Frame/Sash	Glaz. Layers	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Condens. Resist.
	00007	Cl-air-CL , ss 3101 Frame	VY/VY	2		0.687	OF-D	Air	N		CL	0.44	0.62	0.63	47
	00007-00001	Cl-air-CL , ss 3101 Frame div	VY/VY	2		0.687	OF-D	Air	G	0.75	CL	0.44	0.55	0.56	47
	00007-00002	Cl-air-CL , ss 3123 Frame	VY/VY	2		0.687	OF-D	Air	N		CL	0.44	0.62	0.63	47
	00007-00003	Cl-air-CL , ss 3123 Frame div	VY/VY	2		0.687	OF-D	Air	G	0.75	CL	0.44	0.55	0.56	47
	00007-00004	Cl-air-CL , ss 4103 Frame	VY/VY	2		0.687	OF-D	Air	N		CL	0.44	0.62	0.63	47
	00007-00005	Cl-air-CL , ss 4103 Frame div	VY/VY	2		0.687	OF-D	Air	G	0.75	CL	0.44	0.55	0.56	47
	00007-00006	Cl-air-CL , ss 4125 Frame	VY/VY	2		0.687	OF-D	Air	N		CL	0.44	0.62	0.63	47
	00007-00007	Cl-air-CL , ss 4125 Frame div	VY/VY	2		0.687	OF-D	Air	G	0.75	CL	0.44	0.55	0.56	47
	00007-00008	Cl-air-CL 3mm 3101 Frame	VY/VY	2		0.625	OF-D	Air	N		CL	0.44	0.59	0.62	47
	00007-00009	Cl-air-CL 3mm 3101 Frame div	VY/VY	2		0.625	OF-D	Air	G	0.75	CL	0.44	0.53	0.55	47
	00007-00010	Cl-air-CL 3mm 3123 Frame	VY/VY	2		0.625	OF-D	Air	N		CL	0.44	0.59	0.62	47
	00007-00011	Cl-air-CL 3mm 3123 Frame div	VY/VY	2		0.625	OF-D	Air	G	0.75	CL	0.44	0.53	0.55	47
	00007-00012	Cl-air-CL 3mm 4103 Frame	VY/VY	2		0.625	OF-D	Air	N		CL	0.44	0.59	0.62	47
	00007-00013	Cl-air-CL 3mm 4103 Frame div	VY/VY	2		0.625	OF-D	Air	G	0.75	CL	0.44	0.53	0.55	47
	00007-00014	Cl-air-CL 3mm 4125 Frame	VY/VY	2		0.625	OF-D	Air	N		CL	0.44	0.59	0.62	47
	00007-00015	Cl-air-CL 3mm 4125 Frame div	VY/VY	2		0.625	OF-D	Air	G	0.75	CL	0.44	0.53	0.55	47
	00008	Cl-air-SB60 , ss 3101 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Air	N		LE	0.30	0.37	0.56	61

NFRC Product Certification Authorization Report

IA: Keystone Certifications, Inc.

Manufacturer: Best Window and Door Company
Product Series: S-3100/4100 Fixed Casement

Street: 332 Strayer Street
Type: Window

City/State/Zip: Johnstown, PA 15906
CPD Number: BES-K-6

Status	Prod. Num.	Mfr. Code	Frame/Sash	Glaz. Layers	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Condens. Resist.
	00008-00001	Cl-air-SB60 , ss 3101 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.30	0.33	0.50	61
	00008-00002	Cl-air-SB60 , ss 3123 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Air	N		LE	0.30	0.37	0.56	61
	00008-00003	Cl-air-SB60 , ss 3123 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.30	0.33	0.50	61
	00008-00004	Cl-air-SB60 , ss 4103 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Air	N		LE	0.30	0.37	0.56	61
	00008-00005	Cl-air-SB60 , ss 4103 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.30	0.33	0.50	61
	00008-00006	Cl-air-SB60 , ss 4125 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Air	N		LE	0.30	0.37	0.56	61
	00008-00007	Cl-air-SB60 , ss 4125 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.30	0.33	0.50	61
	00008-00008	Cl-air-SB60 3mm 3101 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Air	N		CL	0.30	0.36	0.55	61
	00008-00009	Cl-air-SB60 3mm 3101 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Air	G	0.75	CL	0.30	0.32	0.49	61
	00008-00010	Cl-air-SB60 3mm 3123 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Air	N		CL	0.30	0.36	0.55	61
	00008-00011	Cl-air-SB60 3mm 3123 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Air	G	0.75	CL	0.30	0.32	0.49	61
	00008-00012	Cl-air-SB60 3mm 4103 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Air	N		CL	0.30	0.36	0.55	61
	00008-00013	Cl-air-SB60 3mm 4103 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Air	G	0.75	CL	0.30	0.32	0.49	61
	00008-00014	Cl-air-SB60 3mm 4125 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Air	N		CL	0.30	0.36	0.55	61
	00008-00015	Cl-air-SB60 3mm 4125 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Air	G	0.75	CL	0.30	0.32	0.49	61
	00009	Cl-arg-SB60 , ss 3101 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Argo n	N		LE	0.27	0.37	0.56	65
	00009-00001	Cl-arg-SB60 , ss 3101 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Argo n	G	0.75	LE	0.27	0.33	0.50	65
	00009-00002	Cl-arg-SB60 , ss 3123 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Argo n	N		LE	0.27	0.37	0.56	65
	00009-00003	Cl-arg-SB60 , ss 3123 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Argo n	G	0.75	LE	0.27	0.33	0.50	65
	00009-00004	Cl-arg-SB60 , ss 4103 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Argo n	N		LE	0.27	0.37	0.56	65
	00009-00005	Cl-arg-SB60 , ss 4103 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Argo n	G	0.75	LE	0.27	0.33	0.50	65
	00009-00006	Cl-arg-SB60 , ss 4125 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Argo n	N		LE	0.27	0.37	0.56	65
	00009-00007	Cl-arg-SB60 , ss 4125 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Argo n	G	0.75	LE	0.27	0.33	0.50	65
	00009-00008	Cl-arg-SB60 3mm 3101 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Argo n	N		CL	0.27	0.36	0.55	65

NFRC Product Certification Authorization Report

IA: Keystone Certifications, Inc.

Manufacturer: Best Window and Door Company
Product Series: S-3100/4100 Fixed Casement

Street: 332 Strayer Street
Type: Window

City/State/Zip: Johnstown, PA 15906
CPD Number: BES-K-6

Status	Prod. Num.	Mfr. Code	Frame/Sash	Glaz. Layers	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Condens. Resist.
	00009-00009	Cl-arg-SB60 3mm 3101 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	G	0.75	CL	0.27	0.32	0.49	65
	00009-00010	Cl-arg-SB60 3mm 3123 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	N		CL	0.27	0.36	0.55	65
	00009-00011	Cl-arg-SB60 3mm 3123 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	G	0.75	CL	0.27	0.32	0.49	65
	00009-00012	Cl-arg-SB60 3mm 4103 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	N		CL	0.27	0.36	0.55	65
	00009-00013	Cl-arg-SB60 3mm 4103 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	G	0.75	CL	0.27	0.32	0.49	65
	00009-00014	Cl-arg-SB60 3mm 4125 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	N		CL	0.27	0.36	0.55	65
	00009-00015	Cl-arg-SB60 3mm 4125 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	G	0.75	CL	0.27	0.32	0.49	65
	00010	SB60-air-SB60 (2.5mm), ss, 3101	VY/VY	2	0.035 (2), 0.035 (3)	0.687	OF-D	Air	N		LE	0.30	0.28	0.50	61
	00010-00001	SB60-air-SB60 (2.5mm), ss, 3101, s div	VY/VY	2	0.035 (2), 0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.30	0.25	0.44	61
	00010-00002	SB60-air-SB60 (2.5mm), ss, 3123	VY/VY	2	0.035 (2), 0.035 (3)	0.687	OF-D	Air	N		LE	0.30	0.28	0.50	61
	00010-00003	SB60-air-SB60 (2.5mm), ss, 3123, s div	VY/VY	2	0.035 (2), 0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.30	0.25	0.44	61
	00010-00004	SB60-air-SB60 (2.5mm), ss, 4103	VY/VY	2	0.035 (2), 0.035 (3)	0.687	OF-D	Air	N		LE	0.30	0.28	0.50	61
	00010-00005	SB60-air-SB60 (2.5mm), ss, 4103, s div	VY/VY	2	0.035 (2), 0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.30	0.25	0.44	61
	00010-00006	SB60-air-SB60 (3mm), 3101, ss	VY/VY	2	0.035 (2), 0.035 (3)	0.625	OF-D	Air	N		LE	0.30	0.28	0.49	61
	00010-00007	SB60-air-SB60 (3mm), 3101, ss, s div	VY/VY	2	0.035 (2), 0.035 (3)	0.625	OF-D	Air	G	0.75	LE	0.30	0.25	0.44	61
	00010-00008	SB60-air-SB60 (3mm), ss, 3123	VY/VY	2	0.035 (2), 0.035 (3)	0.625	OF-D	Air	N		LE	0.30	0.28	0.49	61
	00010-00009	SB60-air-SB60 (3mm), ss, 3123, s div	VY/VY	2	0.035 (2), 0.035 (3)	0.625	OF-D	Air	G	0.75	LE	0.30	0.25	0.44	61
	00010-00010	SB60-air-SB60 (3mm), ss, 4103	VY/VY	2	0.035 (2), 0.035 (3)	0.625	OF-D	Air	N		LE	0.30	0.28	0.49	61
	00010-00011	SB60-air-SB60 (3mm), ss, 4103, s div	VY/VY	2	0.035 (2), 0.035 (3)	0.625	OF-D	Air	G	0.75	LE	0.30	0.25	0.44	61
	00011-00001	SB60-arg-SB60 (2mm), ss, 3101	VY/NA	2	0.035(2),0.035(3)	0.687	OF-D	Fill 1: ARG/AIR (90/10)	N		LE	0.26	0.28	0.50	65

NFRC Product Certification Authorization Report

IA: Keystone Certifications, Inc.

Manufacturer: Best Window and Door Company
Product Series: S-3100/4100 Fixed Casement

Street: 332 Strayer Street
Type: Window

City/State/Zip: Johnstown, PA 15906
CPD Number: BES-K-6

Status	Prod. Num.	Mfr. Code	Frame/Sash	Glaz. Layers	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Condens. Resist.
	00011-00002	SB60-arg-SB60 (2mm), ss, 3101, s_div	VY/NA	2	0.035(2),0.035(3)	0.687	OF-D	Fill 1: ARG/AIR (90/10)	G	0.75	LE	0.26	0.25	0.44	65
	00011-00003	SB60-arg-SB60 (2mm), ss, 3123	VY/NA	2	0.035(2),0.035(3)	0.687	OF-D	Fill 1: ARG/AIR (90/10)	N		LE	0.26	0.28	0.50	65
	00011-00004	SB60-arg-SB60 (2mm), ss, 3123, s_div	VY/NA	2	0.035(2),0.035(3)	0.687	OF-D	Fill 1: ARG/AIR (90/10)	G	0.75	LE	0.26	0.25	0.44	65
	00011-00005	SB60-arg-SB60 (2mm), ss, 4103	VY/NA	2	0.035(2),0.035(3)	0.687	OF-D	Fill 1: ARG/AIR (90/10)	N		LE	0.26	0.28	0.50	65
	00011-00006	SB60-arg-SB60 (2mm), ss, 4103, s_div	VY/NA	2	0.035(2),0.035(3)	0.687	OF-D	Fill 1: ARG/AIR (90/10)	G	0.75	LE	0.26	0.25	0.44	65
	00011-00007	SB60-arg-SB60 (3mm), ss, 3101	VY/NA	2	0.035(2),0.035(3)	0.625	OF-D	Fill 1: ARG/AIR (90/10)	N		LE	0.26	0.28	0.49	65
	00011-00008	SB60-arg-SB60 (3mm), ss, 3101, s_div	VY/NA	2	0.035(2),0.035(3)	0.625	OF-D	Fill 1: ARG/AIR (90/10)	G	0.75	LE	0.26	0.25	0.44	65
	00011-00009	SB60-arg-SB60 (3mm), ss, 3123	VY/NA	2	0.035(2),0.035(3)	0.625	OF-D	Fill 1: ARG/AIR (90/10)	N		LE	0.26	0.28	0.49	65
	00011-00010	SB60-arg-SB60 (3mm), ss, 3123, s_div	VY/NA	2	0.035(2),0.035(3)	0.625	OF-D	Fill 1: ARG/AIR (90/10)	G	0.75	LE	0.26	0.25	0.44	65

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Status	Prod. Num.	Mfr. Code	Frame/Sash	Glaz. Layers	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Condens. Resist.
	00011-00011	SB60-arg-SB60 (3mm), ss, 4103	VY/NA	2	0.035(2),0.035(3)	0.625	OF-D	Fill 1: ARG/AIR (90/10)	N		LE	0.26	0.28	0.49	65
	00011-00012	SB60-arg-SB60 (3mm), ss, 4103, s_div	VY/NA	2	0.035(2),0.035(3)	0.625	OF-D	Fill 1: ARG/AIR (90/10)	G	0.75	LE	0.26	0.25	0.44	65

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TAIR	7/11/2007	47.2400 x 59.0600	0.20	0.20	NV-00823-I

Comments:

90% Argon: Single probe. 9/26/08: Added option 10. 3/24/09: Added dbl lo e op's 11.

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: _____