



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**

3639

**Product Line Number**

BES - K - 004

**Revision Date**

3/24/2009

**The Following NFRC Product Line Has Been Authorized For Certification:**

Model / Series: S-3000/4000 Casement  
 Operator Type: CSSV  
 Frame Type: VY  
 Sash Type: VY  
 Exp. Date: 7/9/2011

**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-3000/4000 Casement  
**Simulation Lab:** SEEL  
**Test Date:** 7/9/2007

**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-4  
**Simulation Report Number:** BWI701w-a-A1  
**Re-Certification Date:** 03/12/2008

**Revised Date:**  
**Air Leakage:**

**Expiration Date:** 07/09/2011

**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.
	00010	Cl-air-CL , ss 3002 Frame	VY/VY	2		0.687	OF-D	Air	N		CL	0.41	0.52	0.53	47
	00010-00001	Cl-air-CL , ss 3002 Frame div	VY/VY	2		0.687	OF-D	Air	G	0.75	CL	0.41	0.47	0.48	47
	00010-00002	Cl-air-CL , ss 3022 Frame	VY/VY	2		0.687	OF-D	Air	N		CL	0.41	0.52	0.53	47
	00010-00003	Cl-air-CL , ss 3022 Frame div	VY/VY	2		0.687	OF-D	Air	G	0.75	CL	0.41	0.47	0.48	47
	00010-00004	Cl-air-CL , ss 4002 Frame	VY/VY	2		0.687	OF-D	Air	N		CL	0.41	0.52	0.53	47
	00010-00005	Cl-air-CL , ss 4002 Frame div	VY/VY	2		0.687	OF-D	Air	G	0.75	CL	0.41	0.47	0.48	47
	00010-00006	Cl-air-CL 3mm 3002 Frame	VY/VY	2		0.625	OF-D	Air	N		CL	0.41	0.49	0.52	47
	00010-00007	Cl-air-CL 3mm 3002 Frame div	VY/VY	2		0.625	OF-D	Air	G	0.75	CL	0.41	0.45	0.47	47
	00010-00008	Cl-air-CL 3mm 3022 Frame	VY/VY	2		0.625	OF-D	Air	N		CL	0.41	0.49	0.52	47
	00010-00009	Cl-air-CL 3mm 3022 Frame div	VY/VY	2		0.625	OF-D	Air	G	0.75	CL	0.41	0.45	0.47	47
	00010-00010	Cl-air-CL 3mm 4002 Frame	VY/VY	2		0.625	OF-D	Air	N		CL	0.41	0.49	0.52	47
	00010-00011	Cl-air-CL 3mm 4002 Frame div	VY/VY	2		0.625	OF-D	Air	G	0.75	CL	0.41	0.45	0.47	47
	00011	Cl-air-SB60 , ss 3002 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Air	N		LE	0.29	0.31	0.47	61
	00011-00001	Cl-air-SB60 , ss 3002 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.29	0.28	0.42	61
	00011-00002	Cl-air-SB60 , ss 3022 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Air	N		LE	0.29	0.31	0.47	61
	00011-00003	Cl-air-SB60 , ss 3022 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.29	0.28	0.42	61
	00011-00004	Cl-air-SB60 , ss 4002 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Air	N		LE	0.29	0.31	0.47	61

**NFRC Product Certification Authorization Report**

**IA:** Keystone Certifications, Inc.

**Manufacturer:** Best Window and Door Company  
**Product Series:** S-3000/4000 Casement

**Street:** 332 Strayer Street  
**Type:** Window

**City/State/Zip:** Johnstown, PA 15906  
**CPD Number:** BES-K-4

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.
	00011-00005	Cl-air-SB60 , ss 4002 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.29	0.28	0.42	61
	00011-00006	Cl-air-SB60 3mm 3002 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Air	N		CL	0.29	0.30	0.46	61
	00011-00007	Cl-air-SB60 3mm 3002 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Air	G	0.75	CL	0.29	0.28	0.42	61
	00011-00008	Cl-air-SB60 3mm 3022 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Air	N		CL	0.29	0.30	0.46	61
	00011-00009	Cl-air-SB60 3mm 3022 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Air	G	0.75	CL	0.29	0.28	0.42	61
	00011-00010	Cl-air-SB60 3mm 4002 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Air	N		CL	0.29	0.30	0.46	61
	00011-00011	Cl-air-SB60 3mm 4002 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Air	G	0.75	CL	0.29	0.28	0.42	61
	00012	Cl-arg-SB60 , ss 3002 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Argon	N		LE	0.26	0.31	0.47	65
	00012-00001	Cl-arg-SB60 , ss 3002 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Argon	G	0.75	LE	0.26	0.28	0.42	65
	00012-00002	Cl-arg-SB60 , ss 3022 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Argon	N		LE	0.26	0.31	0.47	65
	00012-00003	Cl-arg-SB60 , ss 3022 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Argon	G	0.75	LE	0.26	0.28	0.42	65
	00012-00004	Cl-arg-SB60 , ss 4002 Frame	VY/VY	2	0.035 (3)	0.687	OF-D	Argon	N		LE	0.26	0.31	0.47	65
	00012-00005	Cl-arg-SB60 , ss 4002 Frame div	VY/VY	2	0.035 (3)	0.687	OF-D	Argon	G	0.75	LE	0.26	0.28	0.42	65
	00012-00006	Cl-arg-SB60 3mm 3002 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	N		CL	0.26	0.30	0.46	65
	00012-00007	Cl-arg-SB60 3mm 3002 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	G	0.75	CL	0.26	0.28	0.42	65
	00012-00008	Cl-arg-SB60 3mm 3022 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	N		CL	0.26	0.30	0.46	65
	00012-00009	Cl-arg-SB60 3mm 3022 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	G	0.75	CL	0.26	0.28	0.42	65
	00012-00010	Cl-arg-SB60 3mm 4002 Frame	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	N		CL	0.26	0.30	0.46	65
	00012-00011	Cl-arg-SB60 3mm 4002 Frame div	VY/VY	2	0.035 (3)	0.625	OF-D	Argon	G	0.75	CL	0.26	0.28	0.42	65
	00013	SB60-air-SB60 (2.5mm), ss, 3002	VY/VY	2	0.035 (2), 0.035 (3)	0.687	OF-D	Air	N		LE	0.29	0.24	0.41	62
	00013-00001	SB60-air-SB60 (2.5mm), ss, 3002, s_div	VY/VY	2	0.035 (2), 0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.29	0.22	0.37	62
	00013-00002	SB60-air-SB60 (2.5mm), ss, 3022	VY/VY	2	0.035 (2), 0.035 (3)	0.687	OF-D	Air	N		LE	0.29	0.24	0.41	62
	00013-00003	SB60-air-SB60 (2.5mm), ss, 3022, s_div	VY/VY	2	0.035 (2), 0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.29	0.22	0.37	62

**NFRC Product Certification Authorization Report**

**IA:** Keystone Certifications, Inc.

**Manufacturer:** Best Window and Door Company  
**Product Series:** S-3000/4000 Casement

**Street:** 332 Strayer Street  
**Type:** Window

**City/State/Zip:** Johnstown, PA 15906  
**CPD Number:** BES-K-4

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.
	00013-00004	SB60-air-SB60 (2.5mm), ss, 4002	VY/VY	2	0.035 (2), 0.035 (3)	0.687	OF-D	Air	N		LE	0.29	0.24	0.41	62
	00013-00005	SB60-air-SB60 (2.5mm), ss, 4002, s_div	VY/VY	2	0.035 (2), 0.035 (3)	0.687	OF-D	Air	G	0.75	LE	0.29	0.22	0.37	62
	00013-00006	SB60-air-SB60 (3mm), ss, 3002	VY/VY	2	0.035 (2), 0.035 (3)	0.625	OF-D	Air	N		LE	0.29	0.24	0.41	62
	00013-00007	SB60-air-SB60 (3mm), ss, 3002, s_div	VY/VY	2	0.035 (2), 0.035 (3)	0.625	OF-D	Air	G	0.75	LE	0.29	0.22	0.37	62
	00013-00008	SB60-air-SB60 (3mm), ss, 3022	VY/VY	2	0.035 (2), 0.035 (3)	0.625	OF-D	Air	N		LE	0.29	0.24	0.41	62
	00013-00009	SB60-air-SB60 (3mm), ss, 3022, s_div	VY/VY	2	0.035 (2), 0.035 (3)	0.625	OF-D	Air	G	0.75	LE	0.29	0.22	0.37	62
	00013-00010	SB60-air-SB60 (3mm), ss, 4002	VY/VY	2	0.035 (2), 0.035 (3)	0.625	OF-D	Air	N		LE	0.29	0.24	0.41	62
	00013-00011	SB60-air-SB60 (3mm), ss, 4002, s_div	VY/VY	2	0.035 (2), 0.035 (3)	0.625	OF-D	Air	G	0.75	LE	0.29	0.22	0.37	62
	00014-00001	SB60-arg-SB60 (2mm), ss, 3002	VY/VY	2	0.035(2),0.035(3)	0.687	OF-D	Fill 1: ARG/AIR (90/10)	N		LE	0.26	0.24	0.41	67
	00014-00002	SB60-arg-SB60 (2mm), ss, 3002, s_div	VY/VY	2	0.035(2),0.035(3)	0.687	OF-D	Fill 1: ARG/AIR (90/10)	G	0.75	LE	0.26	0.22	0.37	67
	00014-00003	SB60-arg-SB60 (2mm), ss, 3022	VY/VY	2	0.035(2),0.035(3)	0.687	OF-D	Fill 1: ARG/AIR (90/10)	N		LE	0.26	0.24	0.41	67
	00014-00004	SB60-arg-SB60 (2mm), ss, 3022, s_div	VY/VY	2	0.035(2),0.035(3)	0.687	OF-D	Fill 1: ARG/AIR (90/10)	G	0.75	LE	0.26	0.22	0.37	67
	00014-00005	SB60-arg-SB60 (2mm), ss, 4002	VY/VY	2	0.035(2),0.035(3)	0.687	OF-D	Fill 1: ARG/AIR (90/10)	N		LE	0.26	0.24	0.41	67

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**City/State/Zip:** Johnstown, PA 15906  
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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.
	00014-00006	SB60-arg-SB60 (2mm), ss, 4002, s_div	VY/VY	2	0.035(2),0.035(3)	0.687	OF-D	Fill 1: ARG/AIR (90/10)	G	0.75	LE	0.26	0.22	0.37	67
	00014-00007	SB60-arg-SB60 (3mm), ss, 3002	VY/VY	2	0.035(2),0.035(3)	0.625	OF-D	Fill 1: ARG/AIR (90/10)	N		LE	0.26	0.24	0.41	67
	00014-00008	SB60-arg-SB60 (3mm), ss, 3002, s_div	VY/VY	2	0.035(2),0.035(3)	0.625	OF-D	Fill 1: ARG/AIR (90/10)	G	0.75	LE	0.26	0.22	0.37	67
	00014-00009	SB60-arg-SB60 (3mm), ss, 3022	VY/VY	2	0.035(2),0.035(3)	0.625	OF-D	Fill 1: ARG/AIR (90/10)	N		LE	0.26	0.24	0.41	67
	00014-00010	SB60-arg-SB60 (3mm), ss, 3022, s_div	VY/VY	2	0.035(2),0.035(3)	0.625	OF-D	Fill 1: ARG/AIR (90/10)	G	0.75	LE	0.26	0.22	0.37	67
	00014-00011	SB60-arg-SB60 (3mm), ss, 4002	VY/VY	2	0.035(2),0.035(3)	0.625	OF-D	Fill 1: ARG/AIR (90/10)	N		LE	0.26	0.24	0.41	67
	00014-00012	SB60-arg-SB60 (3mm), ss, 4002, s_div	VY/VY	2	0.035(2),0.035(3)	0.625	OF-D	Fill 1: ARG/AIR (90/10)	G	0.75	LE	0.26	0.22	0.37	67

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**Type:** Window

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**CPD Number:** BES-K-4

**Baseline Information**

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TAIR	7/9/2007	23.6200 x 59.0600	0.22	0.21	NV-00821-J

**Comments:**

90% Argon: Single probe. 9/26/08: Added option 13.

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: \_\_\_\_\_