



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: Dove Vinyl Windows
 Address: 767 San Souci Parkway
 Wilkes-Barre, PA 18706
 NFRC Code: DVW
 Cert Date: 9/4/2002

Certification Number

1672

Product Line Number

DVW - K - 001

Revision Date

1/16/2008

The Following NFRC Product Line Has Been Authorized For Certification:

Model / Series: 2000 Double Hung
 Operator Type: VSDH
 Frame Type: VY
 Sash Type: VP
 Exp. Date: 3/28/2010

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: Dove Vinyl Windows
Product Series: 2000 Double Hung
Simulation Lab: SATI
Test Date: 4/30/2006
Revised Date: 12/6/2007
Air Leakage:

Street: 767 Sans Souci Parkway
Type: Vertical Slider
Simulation Report Date: 2/27/2006
Initial Certification Date: 3/28/2002
Expiration Date: 3/28/2010

City/State/Zip: Wilkes-Barre, PA 18706
CPD Number: DVW-K-1
Simulation Report Number: 63061.04-116-45
Re-Certification Date: 6/1/2006
Print Date: 01/16/2008

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.
	00017	7/8" IG, SS Clear	VY/VP	2		0.688	CU-D	AIR	N		CL	0.49	0.61	0.63	48
	00017-00001	7/8" IG, SS Clear	VY/VP	2		0.688	CU-D	AIR	G	0.75	CL	0.49	0.55	0.56	48
	00017-00002	7/8" IG, DS Clear	VY/VP	2		0.625	CU-D	AIR	N		CL	0.49	0.61	0.63	48
	00017-00003	7/8" IG, DS Clear	VY/VP	2		0.625	CU-D	AIR	G	0.75	CL	0.49	0.55	0.56	48
	00018	7/8" IG, SS Clear	VY/VP	2		0.688	CU-D	ARG	N		CL	0.47	0.61	0.63	48
	00018-00001	7/8" IG, SS Clear	VY/VP	2		0.688	CU-D	ARG	G	0.75	CL	0.47	0.55	0.56	48
	00018-00002	7/8" IG, DS Clear	VY/VP	2		0.625	CU-D	ARG	N		CL	0.47	0.61	0.63	48
	00018-00003	7/8" IG, DS Clear	VY/VP	2		0.625	CU-D	ARG	G	0.75	CL	0.47	0.55	0.56	48
	00019	7/8" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.688	CU-D	AIR	N		LE	0.36	0.37	0.55	59
	00019-00001	7/8" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.688	CU-D	AIR	G	0.75	LE	0.36	0.33	0.49	59
	00019-00002	7/8" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.625	CU-D	AIR	N		LE	0.36	0.37	0.55	59
	00019-00003	7/8" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.625	CU-D	AIR	G	0.75	LE	0.36	0.33	0.49	59
	00020	7/8" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.688	CU-D	ARG	N		LE	0.33	0.37	0.55	59
	00020-00001	7/8" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.688	CU-D	ARG	G	0.75	LE	0.33	0.33	0.49	59
	00020-00002	7/8" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.625	CU-D	ARG	N		LE	0.33	0.37	0.55	59
	00020-00003	7/8" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.625	CU-D	ARG	G	0.75	LE	0.33	0.33	0.49	59
	00021	3/4" IG, SS Clear	VY/VP	2		0.563	CU-D	AIR	N		CL	0.49	0.62	0.64	48
	00021-00001	3/4" IG, SS Clear	VY/VP	2		0.563	CU-D	AIR	G	0.75	CL	0.49	0.56	0.57	48
	00022	3/4" IG, SS Clear	VY/VP	2		0.563	CU-D	ARG	N		CL	0.47	0.62	0.64	49
	00022-00001	3/4" IG, SS Clear	VY/VP	2		0.563	CU-D	ARG	G	0.75	CL	0.47	0.56	0.57	49
	00023	3/4" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.563	CU-D	AIR	N		LE	0.35	0.36	0.55	60
	00023-00001	3/4" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.563	CU-D	AIR	G	0.75	LE	0.35	0.33	0.49	60
	00024	3/4" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.563	CU-D	ARG	N		LE	0.32	0.36	0.55	60
	00024-00001	3/4" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.563	CU-D	ARG	G	0.75	LE	0.32	0.33	0.49	60
	00025	3/4" IG, DS Clear	VY/VP	2		0.500	CU-D	AIR	N		CL	0.48	0.61	0.63	47
	00026	3/4" IG, DS Clear	VY/VP	2		0.500	CU-D	AIR	G	0.75	CL	0.49	0.55	0.56	47
	00027	3/4" IG, DS Clear	VY/VP	2		0.500	CU-D	ARG	N		CL	0.47	0.61	0.63	48
	00028	3/4" IG, DS Clear	VY/VP	2		0.500	CU-D	ARG	G	0.75	CL	0.47	0.55	0.56	48
	00029	3/4" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.500	CU-D	AIR	N		LE	0.35	0.37	0.55	57
	00030	3/4" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.500	CU-D	AIR	G	0.75	LE	0.36	0.33	0.49	57
	00031	3/4" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.500	CU-D	ARG	N		LE	0.31	0.37	0.55	60
	00032	3/4" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.500	CU-D	ARG	G	0.75	LE	0.33	0.33	0.49	60
	00033	3/4" IG, SS Clear	VY/VP	2		0.563	ZF-S	AIR	N		CL	0.48	0.62	0.64	45
	00033-00001	3/4" IG, SS Clear	VY/VP	2		0.563	ZF-S	AIR	G	0.75	CL	0.48	0.56	0.57	45
	00033-00002	3/4" IG, SS Clear	VY/VP	2		0.563	ZF-S	AIR	G	1.5	CL	0.48	0.50	0.50	45
	00034	3/4" IG, SS Clear	VY/VP	2		0.563	ZF-S	ARG	N		CL	0.46	0.62	0.64	47
	00034-00001	3/4" IG, SS Clear	VY/VP	2		0.563	ZF-S	ARG	G	0.75	CL	0.46	0.56	0.57	47

NFRC Product Certification Authorization Report

IA: Keystone Certifications, Inc.

Manufacturer: Dove Vinyl Windows
Product Series: 2000 Double Hung

Street: 767 Sans Souci Parkway
Type: Vertical Slider

City/State/Zip: Wilkes-Barre, PA 18706
CPD Number: DVW-K-1

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.
	00034-00002	3/4" IG, SS Clear	VY/VP	2		0.563	ZF-S	ARG	G	1.5	CL	0.46	0.50	0.50	47
	00035	3/4" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.563	ZF-S	AIR	N		LE	0.34	0.36	0.55	57
	00035-00001	3/4" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.563	ZF-S	AIR	G	0.75	LE	0.34	0.33	0.49	57
	00035-00002	3/4" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.563	ZF-S	AIR	G	1.5	LE	0.34	0.29	0.43	57
	00036	3/4" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.563	ZF-S	ARG	N		LE	0.31	0.36	0.55	60
	00036-00001	3/4" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.563	ZF-S	ARG	G	0.75	LE	0.31	0.33	0.49	60
	00036-00002	3/4" IG, SS Comf TiR	VY/VP	2	0.034 (2)	0.563	ZF-S	ARG	G	1.5	LE	0.31	0.29	0.43	60
	00037	3/4" IG, DS Clear	VY/VP	2		0.500	ZF-S	AIR	N		CL	0.48	0.61	0.63	44
	00038	3/4" IG, DS Clear	VY/VP	2		0.500	ZF-S	AIR	G	0.75	CL	0.48	0.55	0.56	44
	00038-00001	3/4" IG, DS Clear	VY/VP	2		0.500	ZF-S	AIR	G	1.5	CL	0.48	0.49	0.50	44
	00039	3/4" IG, DS Comf TiR	VY/VP	2		0.500	ZF-S	ARG	N		CL	0.46	0.61	0.63	46
	00040	3/4" IG, DS Comf TiR	VY/VP	2		0.500	ZF-S	ARG	G	0.75	CL	0.46	0.55	0.56	46
	00040-00001	3/4" IG, DS Comf TiR	VY/VP	2		0.500	ZF-S	ARG	G	1.5	CL	0.46	0.49	0.50	46
	00041	3/4" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.500	ZF-S	AIR	N		LE	0.34	0.37	0.55	54
	00042	3/4" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.500	ZF-S	AIR	G	0.75	LE	0.35	0.33	0.49	54
	00042-00001	3/4" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.500	ZF-S	AIR	G	1.5	LE	0.35	0.30	0.43	54
	00043	3/4" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.500	ZF-S	ARG	N		LE	0.30	0.37	0.55	58
	00044	3/4" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.500	ZF-S	ARG	G	0.75	LE	0.32	0.33	0.49	58
	00044-00001	3/4" IG, DS Comf TiR	VY/VP	2	0.033 (2)	0.500	ZF-S	ARG	G	1.5	LE	0.32	0.30	0.43	58
	00045	3/4" IG, SS Solarban	VY/VP	2	0.035 (3)	0.563	ZF-S	KRY	N		LE	0.30	0.37	0.56	61
	00045-00001	3/4" IG, SS Solarban	VY/VP	2	0.035 (3)	0.563	ZF-S	KRY	G	0.75	LE	0.30	0.33	0.50	61
	00045-00002	3/4" IG, SS Solarban	VY/VP	2	0.035 (3)	0.563	ZF-S	KRY	G	1.5	LE	0.30	0.30	0.44	61
	00046	3/4" IG, DS Solarban	VY/VP	2	0.035 (3)	0.500	ZF-S	KRY	N		LE	0.29	0.36	0.56	60
	00047	3/4" IG, DS Solarban	VY/VP	2	0.035 (3)	0.500	ZF-S	KRY	G	0.75	LE	0.30	0.33	0.49	60
	00047-00001	3/4" IG, DS Solarban	VY/VP	2	0.035 (3)	0.500	ZF-S	KRY	G	1.5	LE	0.30	0.29	0.44	60

NFRC Product Certification Authorization Report

IA: Keystone Certifications, Inc.

Manufacturer: Dove Vinyl Windows
Product Series: 2000 Double Hung

Street: 767 Sans Souci Parkway
Type: Vertical Slider

City/State/Zip: Wilkes-Barre, PA 18706
CPD Number: DVW-K-1

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TATI	4/30/2006	48.125 X 59	0.37	0.35	63062.02-116-46

Comments:

Reinforced in lock rail only, simulated with AFG Comfort TiR. 2/28/07: Added super spacer options. 1/16/2008: Added Solarban 60 options (29-31). 90% Krypton or Argon single probe.

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: _____