



KEYSTONE CERTIFICATIONS, INC.
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Notice of Product Certification Authorization

National Fenestration Rating Council

Issued To:

Manufacturer: Custom Vinyl Products LLC
 Address: 260 Enterprise Drive
 New Port News VA 23603
 Man'f Code CST
 Cert Date: 6/13/2012

Certification Number

8423

Product Line Number

CST - K - 003

Revision Date

8/27/2015

The Following NFRC Product Line Has Been Authorized For Certification:

Model / Series: SH46 Picture Window
 Operator Type: FIXD
 Frame Type: VY
 Sash Type: NA
 Exp. Date: 7/31/2018

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 checked="" type="checkbox"/>
NFRC 500	Condensation Resistance	<input checked="" type="checkbox"/>

Fenestration products are not NFRC Certified unless manufactured and labeled in accordance with the current version of NFRC-700, Product Certification Program requirements.

***This is a cover sheet for an NFRC Certification Authorization Report (CAR)
 the corresponding CAR may be downloaded for printing at www.nfrc.org.***

The Manufacturer is authorized to label the options listed in the corresponding CAR

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

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



Manufacturer: Custom Vinyl Products, LLC
Street: 260 Enterprise Drive
City/State/Zip: Newport News, VA 23603
Print Date: 08/27/2015

Product Series: SH46 Picture Window
Product Type: FIXD
Air Leakage: ≤ 0.3

Simulation Lab: SATI
Sim. Report #: D9542.04-116-45
Sim. Report Date: 08/24/2015
Test Date: 07/31/2014

Initial Cert. Date: 06/13/2012
Re-Certification Date: 08/27/2015
Revised Date: 08/24/2015
Expiration Date: 07/31/2018

CPD Number: CST-K-3

IA: Keystone Certifications, Inc.

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.
	00019-00001	E270 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VY/NA	2	0.037(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.28	0.31	0.59	61
	00019-00002	E270 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VY/NA	2	0.037(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.28	0.28	0.53	61
	00019-00003	E270 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VY/NA	2	0.037(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.28	0.28	0.53	61
	00020-00001	E366 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VY/NA	2	0.022(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.27	0.23	0.55	62
	00020-00002	E366 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VY/NA	2	0.022(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.27	0.21	0.49	62
	00020-00003	E366 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VY/NA	2	0.022(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.27	0.21	0.49	62
	00021-00001	E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VY/NA	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.27	0.31	0.59	61
	00021-00002	E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VY/NA	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.27	0.28	0.53	61
	00021-00003	E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VY/NA	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.27	0.28	0.53	61
	00022-00001	E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VY/NA	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.27	0.23	0.54	61
	00022-00002	E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VY/NA	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.27	0.21	0.48	61
	00022-00003	E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VY/NA	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.27	0.21	0.48	61

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TATI	07/31/2014	1200mm x 1499mm	0.351	0.344	D9543.04-116-46

Comments: 90% 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: _____