KEYSTONE CERTIFICATIONS, INC.
564 OLD YORK ROAD, SUITE 5
ETTERS, PA 17319 / PHONE 717-932-8500

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: 6/14/2012

Certification Number
8425
Product Line Number
CST - K - 005
Revision Date
8/27/2015

The Following NFRC Product Line Has Been Authorized For Certification:

Model / Series: SS46 Single Slider
Operator Type: HSOX
Frame Type: VI
Sash Type: VI
Exp. Date: 7/18/2018

Ratings Authorized For Certification:

Rating	Property	Authorized
NFRC 100	U-factor	☑
NFRC 200	Solar Heat Gain Coefficient	☑
NFRC 200	Visible Light	☑
NFRC 400	Air Leakage	☑
NFRC 500	Condensation Resistance	☑

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: SS46 Single Slider
Product Type: HSOX
Air Leakage: ≤ 0.3

Simulation Lab: SATI
Sim. Report #: D9546.04-116-45
Sim. Report Date: 06/29/2015
Test Date: 05/03/2013

Initial Cert. Date: 06/14/2012
Re-Certification Date: 08/27/2015
Revised Date: 06/29/2015
Expiration Date: 07/18/2018

CPD Number: CST-K-5 **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	VI/VI	2	0.037(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.30	0.30	0.57	59
	00019-00002	E270 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VI/VI	2	0.037(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.30	0.27	0.51	59
	00019-00003	E270 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VI/VI	2	0.037(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.30	0.27	0.51	59
	00020-00001	E366 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VI/VI	2	0.022(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.29	0.22	0.53	60
	00020-00002	E366 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VI/VI	2	0.022(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.29	0.20	0.47	60
	00020-00003	E366 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VI/VI	2	0.022(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.29	0.20	0.47	60
	00021-00001	E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VI/VI	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.29	0.30	0.56	59
	00021-00002	E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VI/VI	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.29	0.27	0.50	59
	00021-00003	E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VI/VI	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.29	0.27	0.50	59
	00022-00001	E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VI/VI	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.29	0.22	0.52	59
	00022-00002	E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VI/VI	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.29	0.20	0.46	59
	00022-00003	E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VI/VI	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.29	0.20	0.46	59
	00023-00001	E366 / ARG90 / i89 (2MM/2MM) - 3/4" IG	VI/VI	2	0.022(2),0.149(4)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.25	0.22	0.51	48
	00023-00002	E366 / ARG90 / i89 (2MM/2MM) - 3/4" IG	VI/VI	2	0.022(2),0.149(4)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.25	0.20	0.46	48
	00023-00003	E366 / ARG90 / i89 (2MM/2MM) - 3/4" IG	VI/VI	2	0.022(2),0.149(4)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.25	0.20	0.46	48
	00024-00001	E366 / ARG90 / i89 (3MM/3MM) - 3/4" IG	VI/VI	2	0.022(2),0.149(4)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.25	0.22	0.51	47
	00024-00002	E366 / ARG90 / i89 (3MM/3MM) - 3/4" IG	VI/VI	2	0.022(2),0.149(4)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.25	0.20	0.45	47

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: SS46 Single Slider
Product Type: HSOX
Air Leakage: ≤ 0.3

Simulation Lab: SATI
Sim. Report #: D9546.04-116-45
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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.
	00024-00003	E366 / ARG90 / i89 (3MM/3MM) - 3/4" IG	VI/VI	2	0.022(2),0.149(4)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.25	0.20	0.45	47

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TATI	**05/03/2013**	1200mm x 1499mm	0.273	0.266	C6242.08-116-46

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: _____ 2015.08.28 08:16:49 -04'00'