



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: 6/12/2012

**Certification Number**

8421

**Product Line Number**

CST - K - 001

**Revision Date**

8/31/2015

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

Model / Series: CA55 Casement  
 Operator Type: CSSV  
 Frame Type: VY  
 Sash Type: VY  
 Exp. Date: 9/11/2018

**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](http://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:** 08/31/2015

**Product Series:** CA55 Casement  
**Product Type:** CSSV  
**Air Leakage:** ≤ 0.3

**Simulation Lab:** SATI  
**Sim. Report #:** D5074.10-116-45  
**Sim. Report Date:** 06/24/2015  
**Test Date:** 09/11/2014

**Initial Cert. Date:** 06/12/2012  
**Re-Certification Date:** 08/31/2015  
**Revised Date:** 06/24/2015  
**Expiration Date:** 09/11/2018

CPD Number: CST-K-1

IA: Keystone Certifications, Inc.

Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyr	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/VY	2	0.037(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.27	0.25	0.47	60
	00019-00002	E270 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VY/VY	2	0.037(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.27	0.23	0.42	60
	00019-00003	E270 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VY/VY	2	0.037(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.27	0.23	0.42	60
	00020-00001	E366 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VY/VY	2	0.022(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.27	0.19	0.43	60
	00020-00002	E366 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VY/VY	2	0.022(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.27	0.17	0.39	60
	00020-00003	E366 / ARG90 / CLR (2MM/2MM) - 3/4" IG	VY/VY	2	0.022(2)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.27	0.17	0.39	60
	00021-00001	E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VY/VY	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.27	0.25	0.46	60
	00021-00002	E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VY/VY	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.27	0.23	0.42	60
	00021-00003	E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VY/VY	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.27	0.23	0.42	60
	00022-00001	E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VY/VY	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.27	0.19	0.43	60
	00022-00002	E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VY/VY	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.27	0.17	0.39	60
	00022-00003	E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG	VY/VY	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.27	0.17	0.39	60
	00023-00001	E366 / ARG90 / i89 (2MM/2MM) - 3/4" IG	VY/VY	2	0.022(2),0.149(4)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.23	0.18	0.42	48
	00023-00002	E366 / ARG90 / i89 (2MM/2MM) - 3/4" IG	VY/VY	2	0.022(2),0.149(4)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.23	0.17	0.38	48
	00023-00003	E366 / ARG90 / i89 (2MM/2MM) - 3/4" IG	VY/VY	2	0.022(2),0.149(4)	0.563	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.23	0.17	0.38	48
	00024-00001	E366 / ARG90 / i89 (3MM/3MM) - 3/4" IG	VY/VY	2	0.022(2),0.149(4)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	N		CL	0.23	0.18	0.42	47
	00024-00002	E366 / ARG90 / i89 (3MM/3MM) - 3/4" IG	VY/VY	2	0.022(2),0.149(4)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	G	0.75	CL	0.23	0.17	0.38	47

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	00024-00003	E366 / ARG90 / i89 (3MM/3MM) - 3/4" IG	VY/VY	2	0.022(2),0.149(4)	0.500	SS-D	Fill 1: ARG/AIR (90/10)	S	0.75	CL	0.23	0.17	0.38	47	

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**Baseline Information**

<b>Test Lab</b>	<b>Test Date</b>	<b>Test Size</b>	<b>Tested U-Value</b>	<b>Standard U-Value</b>	<b>Test Report Number</b>
<b>TATI</b>	<b>09/11/2014</b>	600mm x 1499mm	0.216	0.213	D5075.10-116-46

**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: \_\_\_\_\_