

U.S. Department of Energy R-5 Volume Purchase Program

Newtec is proud to be among the few that were qualified by the Department of Energy (DOE) to participate in this program. Newtec takes pride in the exceptional quality of its products and services. We look forward to continuing to deliver the exceptional quality, value and service.

What is an R-5 Window?

R-5 windows are highly insulating windows and are the top tier of energy-efficient windows for cold and mixed climates available today. The R-value of a whole-window is 5 or higher, equivalent to U-factor of 0.20 or lower.

For comparison, to meet the ENERGY STAR criteria in US North Zone, the U-factor must be 0.35 or below. For \$1500 tax credit program the U-factor is required to be 0.30 or lower. Therefore, all R-5 windows and doors are unbeatably qualified for Tax Credit, and significantly save you more.

A U-value or U-factor is the reciprocal of R-value. It is the overall heat transfer coefficient, the air-to-air thermal transmittance of a fenestration system. Units are Btu/hr.sqft.°F. The lower the U Factor, the greater the insulating value. The higher the R value, the better the insulating performance.

What Newtec products currently qualify for the R-5 volume purchase program?

Newtec is within the nation's few names in the first batch of [R-5 High Performance Windows](#) providers. We provide a full line of high performance products for your needs. Beyond our \$1500 Tax Credit program products' list, currently the Newtec R-5 windows and doors are shown in the table below. By clicking the respective U-Factor number in the table, you can see all test data of that product from NFRC official website, including R-5 products and those meeting \$1500 Tax Credit Program requirements.

Series No.	Window type	U-factor	SHGC*	AL	CRF	VT
600 SH	Single Hung	0.18	0.24	0.14	70	0.43
600 DH	Double Hung	0.18	0.23	0.27	72	0.42
600 FW	Picture Window	0.17	0.25	0.07	67	0.45
600 HS	Slider	0.17	0.24	0.28	72	0.43
1400 C	Casement	0.17	0.19	0.02	81	0.34
2100 SD	Patio Door	0.16	0.24	0.12	68	0.43

- * SHGC: Solar Heat Gain Coefficient
- * AL: Air Leakage
- * CRF: Condensation Resistance Factor
- * VT: Visible Transmittance

Why R-5?

Windows account for 30% of building heating and cooling bills in the US. That is 4.1 quadrillion BTU of primary energy being consumed per year. During severe weather periods, high insulating windows are the perfect shield to your comfort and utility bill. In cold and mixed climate areas, R-5 windows offer even more significant energy savings, by reducing the average heat loss through windows by 40% over common ENERGY STAR® windows with an R-3 value.

How does Newtec make it possible to achieve the R-5 qualification?

R-5 windows and doors are the highest technically challenged product in the market. Newtec has been manufacturing triple pane glazing windows for quite a time. Krypton or argon gas is filled within. Dual Low-E is also applied to 2 interior surfaces, together with 100% Rehau multi-chamber vinyl profiles, Tru-seal technologies and all best materials, hardware and excellent fabrication procedures.



How do I purchase Newtec R-5 Windows?

- Call us at 773-869-9888;
- Fax to 773-869-0888;
- Leave a message at our [website](#);
- E-mail us to info@newtecwindow.com;
- Go to [DOE High Performance Windows Website](#).

For more information about our R-5 qualifying, Newtec triple-glazed product line, and to provide us details regarding your project please reach us by any option listed above at your convenience. We look forward to serving you with our Newtec R-5 triple-glazed window solution, all backed by our limited lifetime warranty. Thank you.

About the R-5 Volume Purchase Program

The U.S. Department of Energy (DOE), Pacific Northwest National Laboratory and the National Association of Home Builders (NAHB) are co-hosting a kickoff event for the Highly Insulating R5 (U value 0.2) Windows and Low-e Storm Windows Volume Purchase Program on Thursday, May 27. The event will celebrate the program's participants, including more than 30 qualified vendors and 23 key partners. For details of R-5 Volume Purchase Program, you may visit U.S. Department of Energy (DOE) Building Technologies Program [website](#).
