

THERMAL TEST INFORMATION

VINYL WINDOWS AND DOORS - EAST THERMAL PERFORMANCE

Window Series	Test Method	Glazing Type	U-Value	SHGC	Visible Light Transmittance	Energy Star Compliance (See Map Below)
New Castle XT Single Hung	NFRC 100-2004	Clear IG	0.49	0.61	0.63	
		Low-E2/Argon IG	0.32	0.30	0.54	N NC SC S
		Clear IG w/ Grids	0.49	0.54	0.56	
		Low-E2/Argon IG w/ Grids	0.32	0.27	0.48	N NC SC S
New Castle XT Fixed	NFRC 100-2004	Clear IG	0.48	0.64	0.68	
		Low-E2/Argon IG	0.30	0.32	0.58	N NC SC S
		Clear IG w/ Grids	0.49	0.58	0.61	
		Low-E2/Argon IG w/ Grids	0.31	0.29	0.52	N NC SC S
Bryn Mawr II Single Hung	NFRC 100-2004	Clear IG	0.49	0.61	0.63	
		Low-E2/Argon IG	0.32	0.30	0.54	N NC SC S
		Clear IG w/ Grids	0.49	0.54	0.56	
		Low-E2/Argon IG w/ Grids	0.32	0.27	0.48	N NC SC S
Bryn Mawr II Double Hung	NFRC 100-2004	Clear IG	0.50	0.58	0.61	
		Low-E2/Argon IG	0.34	0.29	0.52	N NC SC S
		Clear IG w/ Grids	0.50	0.52	0.54	
		Low-E2/Argon IG w/ Grids	0.34	0.26	0.46	N NC SC S
Bryn Mawr II Fixed	NFRC 100-2004	Clear IG	0.48	0.64	0.68	
		Low-E2/Argon IG	0.30	0.32	0.58	N NC SC S
		Clear IG w/ Grids	0.49	0.58	0.61	
		Low-E2/Argon IG w/ Grids	0.31	0.29	0.52	N NC SC S
CertainTeed Casement	NFRC 100-2004	Clear IG	0.47	0.54	0.56	
		Low-E2/Argon IG	0.34	0.18	0.27	N NC SC S
		Clear IG w/ Grids	0.47	0.49	0.50	
		Low-E2/Argon IG w/ Grids	0.34	0.17	0.25	N NC SC S
CertainTeed Awning	NFRC 100-2004	Clear IG	0.49	0.54	0.56	
		Low-E2/Argon IG	0.34	0.27	0.48	N NC SC S
		Clear IG w/ Grids	0.49	0.49	0.50	
		Low-E2/Argon IG w/ Grids	0.34	0.25	0.44	N NC SC S
CertainTeed Double Slider	NFRC 100-2004	Clear IG	0.47	0.58	0.60	
		Low-E2/Argon IG	0.36	0.28	0.52	NC SC S
		Clear IG w/ Grids	0.47	0.51	0.53	
		Low-E2/Argon IG w/ Grids	0.36	0.26	0.46	NC SC S
CertainTeed Single Slider	NFRC 100-2004	Clear IG	0.48	0.58	0.60	
		Low-E2/Argon IG	0.32	0.29	0.52	N NC SC S
		Clear IG w/ Grids	0.48	0.52	0.54	
		Low-E2/Argon IG w/ Grids	0.32	0.26	0.46	N NC SC S
CertainTeed Patio Door Standard Rail	NFRC 100-2004	Clear IG	0.48	0.60	0.64	
		Low-E2/Argon IG	0.31	0.30	0.55	N NC SC S
		Clear IG w/ Grids	0.48	0.53	0.56	
		Low-E2/Argon IG w/ Grids	0.31	0.27	0.48	N NC SC S
CertainTeed Patio Door French Rail	NFRC 100-2004	Clear IG	0.47	0.61	0.64	
		Low-E2/Argon IG	0.32	0.30	0.55	N NC SC S
		Clear IG w/ Grids	0.47	0.53	0.56	
		Low-E2/Argon IG w/ Grids	0.32	0.27	0.48	N NC SC S

*All ratings for grids reflect flat grid options

* Above values can vary depending on use of flat grids or sculptured grids and optional glass thickness such as 3/16", 1/4" laminated, 1/8" tempered, 3/16" decorative glass etc... Please visit our website at www.certainteed.com for more details.

Definitions

Low E2 - Low-emissivity glass with a transparent coating which acts as a thermal mirror - used to increase a window's insulating value, block or increase heat flow, and reduce fading.

Argon - An inert, colorless, and harmless gas used instead of air in sealed spaces between panes of glass in insulating glass units to increase insulation. Argon is less conductive to heat than air. It is injected in the airspace of an insulating unit, to improve energy efficiency.

Grids - Decorative inserts for windows or door glazing that adds a traditional touch - available in flat and sculptured.

U-Value - U-Value measures the rate of heat transfer and tells you how well the window insulates. The lower the U-Factor, the better the window insulates.

SHGC (Solar Heat Gain Coefficient) - measures the fraction of solar energy admitted and tells you how well the product blocks heat caused by sunlight. The lower the SHGC, the less solar heat the window transmits. SHGC is measured on a scale of 0 to 1.

VT (Visible Light Transmittance) - measures the amount of light the window lets through. The higher the VT, the more light you see. VT is measured on a scale of 0 to 1.

Energy Star Compliance

