

**Roof Windows
Performance Summary**

March 2015

VRW (V22) - Air, Water and Structural Performance Test Results				
Product Tested	Performance Test	Description	Tested Result	NAFS-11 Rating
GPU PK10 2060R	Uniform Load Structural ASTM E 330	Max Uplift	85 psf	55 psf
	Uniform Load Structural ASTM E 330	Max Download	150 psf	75 psf
	Water Penetration with No Leak ASTM E 331	Max Pressure	15 psf	15 psf
	Air Leakage at 1.57 psf ASTM E 283	Max Leakage	0.09 cfm/ft ²	0.09 cfm/ft ²
GPU UK08 2060R	Uniform Load Structural ASTM E 330	Max Uplift	65 psf	40 psf
	Uniform Load Structural ASTM E 330	Max Download	150 psf	75 psf
	Water Penetration with No Leak ASTM E 331	Max Pressure	15 psf	15 psf
	Air Leakage at 1.57 psf ASTM E 283	Max Leakage	0.04 cfm/ft ²	0.04 cfm/ft ²
GXU FK06 2060	Uniform Load Structural ASTM E 330	Max Uplift	150 psf	100 psf
	Uniform Load Structural ASTM E 330	Max Download	150 psf	75 psf
	Water Penetration with No Leak ASTM E 331	Max Pressure	15 psf	15 psf
	Air Leakage at 1.57 psf ASTM E 283	Max Leakage	0.01 cfm/ft ²	0.01 cfm/ft ²

VRW (V22) - Thermal Performance Test Results			
Product Tested	Performance Test	Description	Tested Result
GPU UK08 2060R	Thermal Transmittance (per NFRC 102-2010)	U-Factor (90°)	0.27 Btu/(hr·ft ² ·°F)

Tests performed in January 2015

VRW (V22) - Thermal and Optical Ratings		
Product	Description	Value
GGU ---- 2060R	U-Factor (Std. size at 20°) Btu/(hr·ft ² ·°F)	0.42
	Solar Heat Gain	0.21
	Visible Transmittance	0.44
	UV transmission	0.03
	UV transmission (damage-weighted)	0.39
GPU ---- 2060R	U-Factor (Std. size at 20°) Btu/(hr·ft ² ·°F)	0.42
	Solar Heat Gain	0.21
	Visible Transmittance	0.44
	UV transmission	0.03
	UV transmission (damage-weighted)	0.39
GXU ---- 2060	U-Factor (Std. size at 20°) Btu/(hr·ft ² ·°F)	0.42
	Solar Heat Gain	0.21
	Visible Transmittance	0.44
	UV transmission	0.03
	UV transmission (damage-weighted)	0.39