

VMS (VELUX Modular Skylight)
Air, Water and Structural
Technical Data

July 2016

VMS - Air, Water and Structural Performance Test Results				
Product Tested	Performance Test	Description	Tested Result	NAFS-11 Rating
HVC Module Type 10 Glazing 1.1m x 2.5m (43" x 97")	Uniform Load Structural ASTM E 330	Max Uplift	120 psf	80 psf
	Uniform Load Structural ASTM E 330	Max Download	200 psf	100 psf
	Water Penetration with No Leak ASTM E 331	Max Pressure	20 psf	20 psf
	Air Leakage at 1.57 psf ASTM E 283	Max Leakage	<0.01 cfm/sf	<0.01 cfm/sf
HFC Module Type 10T Glazing 1.1m x 3.1m (43" x 123")	Uniform Load Structural ASTM E 330	Max Uplift	150 psf	100 psf
	Uniform Load Structural ASTM E 330	Max Download	120 psf	60 psf
	Water Penetration with No Leak ASTM E 331	Max Pressure	20 psf	20 psf
	Air Leakage at 1.57 psf ASTM E 283	Max Leakage	0.02 cfm/sf	0.02 cfm/sf
2 Unit Northlight Type 10 Glazing HFC/HVC 2m x 2.5 m (78" x 98")	Uniform Load Structural ASTM E 330	Max Uplift	205 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	20 psf	20 psf
	Air Leakage at 1.57 psf ASTM E 283	Max Leakage	0.09 cfm/sf	0.09 cfm/sf
2 Unit Northlight Type 10T Glazing HFC/HFC 2m x 3 m (79" x 120")	Uniform Load Structural ASTM E 330	Max Uplift	80 psf	50 psf
	Uniform Load Structural ASTM E 330	Max Download	150 psf	60 psf
	Water Penetration with No Leak ASTM E 331	Max Pressure	25 psf	25 psf
	Air Leakage at 1.57 psf ASTM E 283	Max Leakage	0.10 cfm/sf	0.10 cfm/sf
HVC Module Type 11 Glazing 1m x 2.4m (39" x 94.5")	Uniform Load Structural ASTM E 330	Max Uplift	100 psf	65 psf
	Uniform Load Structural ASTM E 330	Max Download	190 psf	95 psf
	Water Penetration with No Leak ASTM E 331	Max Pressure	25 psf	25 psf
	Air Leakage at 1.57 psf ASTM E 283	Max Leakage	0.02 cfm/sf	0.02 cfm/sf
6 Unit Ridgelight Type 11 Glazing HFC/HVC/HFC per Side Each Module 1m x 2.4 m	Uniform Load Structural ASTM E 330	Max Uplift	100 psf	65 psf
	Uniform Load Structural ASTM E 330	Max Download	125 psf*	60 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/sf	0.01 cfm/sf

* Denotes 6 Unit Ridgelight download test did not fail, but reached maximum capacity of testing apparatus