

VWP91 Performance Overview

Window Type	Fixed	Dual Action	Casement	Awning	Casement Door
AAMA Rating	CW-PG60	CW-PG50	CW-PG50	CW-PG50	CW-PG40
Test Size	1500*2500	1200*1800	800*1500	1200*1000	1000*2500
Air Infiltration	0.08 L/s-m2	0.17 L/s-m	0.14 L/s-m2	0.15 L/s-m2	0.2 L/s-m2
Water Resistance	720 Pa	720 Pa	580 Pa	720 Pa	360 Pa
Design Pressure	60.15 psf	50.1 psf	50.1 psf	50.1 psf	40.1 psf
Uniform Load	90.22 psf	75.2 psf	75.2 psf	75.2 psf	60.15 psf
U Value -Double Glazing	0.27-0.29	0.27-0.29	0.29-0.30	0.29-0.30	0.27-0.28
U Value- Triple Glazing	0.17-0.18	0.19-0.20	0.22-0.24	0.22-0.23	0.19-0.20
U Value- HVIG***	0.14-0.16	0.17-0.18	0.21-0.23	0.21-0.22	0.18-0.19

Physical performance test standard: ASTM E283/E283M-2019; ASTM E547-00 (R2016); ASTM E330/E330M-2014(R2021); ASTM F588-17; AAMA/WDMA/CSA101/I.S.2/A440-17 Clause 9.3.1, Clause 9.3.6.4.2, Clause 9.3.6.5.2

Thermal performance test standard: ANSI/NFRC 100-2023,ANSI/NFRC 200-2023,NFRC 500-2017

* NFRC actual tested U value is 0.03 better than simulation U value because of not updated Jinjing Optisolar D80 ,IGDB code -17611.

PASSIVE PRO - VWP91 ALUMINIUM WINDOWS

The pursue of high thermal performance drove us to combine aluminium passive house windows and the up to date vacuum insulating glass.Different from traditional PVC windows/wood windows,Aluminium windows frame offer colorful options and long durability ,VIG(vacuum insulating glass) brings down overall windows U value significantly.AAMA and NFRC testing against VIG windows proved its thermal performance, lifetime energy saving makes our windows a marvelous energy investment.

FEATURES

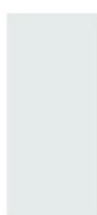
- 91mm 6060-T66 Aluminium Profiles
- R-16 Vacuum Insulating Glass
- 54mm PA66+GF25 Technoform Profile
- 25 Years warranty EPDM Rubber
- Flush Sash Design
- High Performance- Best U value =0.14

WINDOWS OPTIONS

- Surface Treatment-AAMA 611 | AAMA 1504-98 | 2604-98 | 2603-98
- Colors -10 Standard Color Options
- Glass - Single VIG | DGU | TGU | HVIG, Max 60mm
- Hardware- Germany Siegenia | Roto | Hoppe | KNG
- Screens -Insect Screen | Vanal Screen



EOS-001



EOS-002



EOS-003



EOS-004



EOS-005



EOS-006



EOS-007



EOS-008



EOS-009



EOS-010

