Flush Sill

SL60

TYPE OF TEST	INWARD OPENING UNITS (based on outswing unit test)	OUTWARD OPENING UNITS
Air Infiltration ① ASTM E-283, ft³/min./ft. in accordance with NFRC 400	@ 1.57 psf (75 Pa): 0.10 (0.08 exfiltration) A3③	@ 1.57 psf (75 Pa): 0.08 (0.10 exfiltration) A3③
	@ 6.24 psf (300 Pa): 0.37	@ 6.24 psf (300 Pa): 0.17
Structural Load Deflection ① ASTM E-330: pass **See design windload charts for other sized panels** *Note that the structural test pressures were 50% higher than the design pressures.*	DESIGN PRESSURE: Positive @ 40 psf (1920 Pa); Negative @ 45 psf (2160 Pa)	DESIGN PRESSURE: Positive @ 45 psf (2160 Pa); Negative @ 40 psf (1920 Pa)
Forced Entry Resistance ① PAS24 certified	In accordance with AAMA -1304 requirements PAS24: option of burglary resistance	
Life Cycle Performance	The SL60 meets the German "DIN EN 1191/12400 Classification," where a unit is tested after 20,000 opening and closing cycles and is still functional. Meets AAMA 920 for swing panel attached to the side jamb with surface mounted hinges: 500,000 cycles - pass ②	

① Excerpts of results of 13'1" W x 8'6" H (4000 mm x 2600 mm) 4 panel unit with saddle sill tested by Architectural Testing Inc., an independent testing laboratory, in October 2015 per AAMA/WDMA/CSA 101/I.S.2/A440, NAFS - North American Fenstration Standard

② Excerpts of results of 3/4" W x 8'5" H one panel unit tested by Architectural Testing, Inc., Fresno, CA, an independent testing laboratory in April 2013.

Thermal Performance (Top-hung units)

Rated, certified and labeled in accordance with NFRC 100 + 200

			INWARD OPENING UNITS				OUTWARD OPENING UNITS			
TYPE OF GLASS (1 LITE) ④	CENTER OF GLASS U-FACTOR	IG GLASS THICKNESS	UNIT U-FACTOR	SHGC ⑤	VT ⑥	2015 ENERGY STAR	UNIT U-FACTOR	SHGC ⑤	VT ⑥	2015 ENERGY STAR
Double IG Clear (air filled)	.48	15/16" (24 mm)	.49	.50	.53	–	.49	.50	.53	–
Double IG Low E (argon filled)	.26	15/16" (24 mm)	.33	.19	.41	–	.34	.19	.41	–
Double IG Low E (air filled)	.30	15/16" (24 mm)	.36	.19	.41	–	.37	.19	.41	–
Double IG Low E #2 & #4 surfaces (argon filled)	.21	15/16" (24 mm)	.30	.18	.39	*	.30	.18	.39	*
Double IG Low E #2 & #4 surfaces (air filled)	.24	15/16" (24 mm)	.32	.18	.39	–	.32	.18	.39	–
Triple IG Low E x 2 (argon filled)	.13	1 3/8" (35 mm)	.25	.23	.38	*	.25	.23	.38	*
Triple IG Low E x 2 (air filled)	.16	1 3/8" (35 mm)	.27	.23	.38	*	.28	.23	.38	*
Triple IG Low E x 2 (hard coat, argon filled)	.13	1 3/8" (35 mm)	.27	.40	.43	**	.28	.40	.43	**
Triple IG Low E x 2 (hard coat, air filled)	.16	1 3/8" (35 mm)	.29	.40	.43	**	.30	.40	.43	**

Thermal Performance (Floor supported units)

Rated, certified and labeled in accordance with NFRC 100 + 200

			INWARD OPENING UNITS				OUTWARD OPENING UNITS			
TYPE OF GLASS (1 LITE) ④	CENTER OF GLASS U-FACTOR	IG GLASS THICKNESS	UNIT U-FACTOR	SHGC ⑤	VT ⑥	2015 ENERGY STAR	UNIT U-FACTOR	SHGC ⑤	VT ⑥	2015 ENERGY STAR
Double IG Clear (air filled)	.48	15/16" (24 mm)	.48	.51	.54	–	.49	.50	.54	–
Double IG Low E (argon filled)	.26	15/16" (24 mm)	.32	.19	.42	–	.33	.19	.42	–
Double IG Low E (air filled)	.30	15/16" (24 mm)	.36	.19	.42	–	.36	.19	.42	–
Double IG Low E #2 & #4 surfaces (argon filled)	.21	15/16" (24 mm)	.29	.18	.40	*	.29	.18	.40	*
Double IG Low E #2 & #4 surfaces (air filled)	.24	15/16" (24 mm)	.31	.19	.40	–	.31	.19	.40	–
Triple IG Low E x 2 (argon filled)	.13	1 3/8" (35 mm)	.24	.24	.39	*	.24	.24	.39	*
Triple IG Low E x 2 (air filled)	.16	1 3/8" (35 mm)	.26	.24	.39	*	.26	.24	.39	*
Triple IG Low E x 2 (hard coat, argon filled)	.13	1 3/8" (35 mm)	.26	.41	.44	–	.27	.41	.44	–
Triple IG Low E x 2 (hard coat, air filled)	.16	1 3/8" (35 mm)	.28	.41	.44	–	.29	.41	.44	–

NOTES

④ NFRC simulated u factors of units with a horizontal mullion will have values of about .01 to .02 higher than units with no horizontal mullion. Please contact nanawall for details.

⑤ SHGC = Solar Heat Gain Coefficient
⑥ VT = Visible Transmittance

* 2015 Energy Star Qualification Criteria: U-Factor for doors in all climate zones ≤.30, SHGC ≤25 in South/South Central zones and ≤.40 in North/North Central zones. (For guidance only. NanaWall is not a participant of the Energy Star program.)

** Meets SHGC Energy Star Qualification criteria for North/North Central zones only.

Call NanaWall for U-Factor & SHGC for other glass types