

# Higher Weather Performance (Raised) Sill

SL60

TYPE OF TEST	INWARD OPENING UNITS	OUTWARD OPENING UNITS
 <p><b>Air Infiltration</b> <sup>①</sup> ASTM E-283, ft<sup>3</sup>/min./ft. In accordance with NFRC 400<sup>®</sup></p>	@ <b>1.57</b> psf (75 Pa): <b>0.02</b> (0.01 exfiltration) <b>A3</b> <sup>③</sup>	@ <b>1.57</b> psf (75 Pa): <b>0.01</b> (0.02 exfiltration) <b>A3</b> <sup>③</sup>
	@ <b>6.24</b> psf (300 Pa): <b>0.06</b>	@ <b>6.24</b> psf (300 Pa): <b>0.01</b>
 <p><b>Water Penetration</b> <sup>①*</sup> ASTM E-547 and E-331</p>	No uncontrolled water entry @ <b>7.5</b> psf (360 Pa)	No uncontrolled water entry @ <b>7.5</b> psf (360 Pa)
 <p><b>Structural Load Deflection</b> ASTM E-330: pass <b>See design windload charts for other sized panels</b> <i>Note that the structural test pressures were 50% higher than the design pressures.</i></p>	<b>DESIGN PRESSURE</b> <sup>②</sup>	
	Positive @ <b>45</b> psf (2160 Pa)  Class SP-PG45, Panel size - 2' 11" x 7' 9" (899 mm x 2362) mm <sup>③</sup>	Negative @ <b>45</b> psf (2160 Pa)  Class SP-PG45, Panel size - 2' 11" x 7' 9" (899 mm x 2362) mm <sup>③</sup>
 <p><b>Forced Entry Resistance</b> <sup>①</sup> PAS24 certified</p>	In accordance with AAMA -1304 requirements PAS24: option of burglary resistance	
 <p><b>Life Cycle Performance</b></p>	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.	
 <p><b>Acoustical Performance</b> <sup>④</sup></p>	Achieved STC and Rw values of 36 with STC 38 laminated glass.	

① Excerpts of results of 9'5" W x 8'2 1/2" H three panel units (3L and 3R configurations) tested by Architectural Testing, Inc., Fresno, CA, an independent testing laboratory in August 2006.

② Excerpts of results of 9'7" W x 8'5" H three panel unit (3L configuration) tested by Architectural Testing, Inc., Fresno, CA, an independent testing laboratory in April 2013.

③ For Canada, tested to NAFS-08 or equivalent and CSA A44051-09 (with weep holes installed by others to drain standing water in sill channels).

④ Excerpts of results with raised sill tested by Nusing Mobile Trennwandtechnik, Munster, Germany, an independent testing laboratory, in August 2005.

\* Water rating may not be applicable for configuration not tested, especially even panels and even panels configurations.



## Thermal Performance (Top-hung units)

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

TYPE OF GLASS (1 LITE) <sup>④</sup>	CENTER OF GLASS U-FACTOR	IG GLASS THICKNESS	INWARD OPENING UNITS				OUTWARD OPENING UNITS			
			UNIT U-FACTOR	SHGC <sup>⑤</sup>	VT <sup>⑥</sup>	2015 ENERGY STAR	UNIT U-FACTOR	SHGC <sup>⑤</sup>	VT <sup>⑥</sup>	2015 ENERGY STAR
Double IG Clear (air filled)	.48	15/16" (24 mm)	.48	.48	.51	-	.49	.48	.51	-
Double IG Low E (argon filled)	.26	15/16" (24 mm)	.33	.19	.40	-	.34	.18	.40	-
Double IG Low E (air filled)	.30	15/16" (24 mm)	.36	.19	.40	-	.37	.19	.40	-
Double IG Low E #2 & #4 surfaces (argon filled)	.21	15/16" (24 mm)	.30	.18	.38	*	.31	.18	.38	-
Double IG Low E #2 & #4 surfaces (air filled)	.24	15/16" (24 mm)	.32	.18	.38	-	.33	.18	.38	-
Triple IG Low E x 2 (argon filled)	.13	1 3/8" (35 mm)	.27	.24	.40	*	.26	.23	.37	*
Triple IG Low E x 2 (air filled)	.16	1 3/8" (35 mm)	.28	.24	.40	*	.28	.23	.37	*
Triple IG Low E x 2 (hard coat, argon filled)	.14	1 3/8" (35 mm)	.27	.39	.42	**	.28	.38	.42	**
Triple IG Low E x 2 (hard coat, air filled)	.16	1 3/8" (35 mm)	.29	.39	.42	**	.30	.39	.42	**



## Thermal Performance (Floor supported units)

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

TYPE OF GLASS (1 LITE) <sup>④</sup>	CENTER OF GLASS U-FACTOR	IG GLASS THICKNESS	INWARD OPENING UNITS				OUTWARD OPENING UNITS			
			UNIT U-FACTOR	SHGC <sup>⑤</sup>	VT <sup>⑥</sup>	2015 ENERGY STAR	UNIT U-FACTOR	SHGC <sup>⑤</sup>	VT <sup>⑥</sup>	2015 ENERGY STAR
Double IG Clear (air filled)	.48	15/16" (24 mm)	.48	.49	.52	-	.48	.49	.52	-
Double IG Low E (argon filled)	.26	15/16" (24 mm)	.32	.19	.41	-	.33	.19	.41	-
Double IG Low E (air filled)	.30	15/16" (24 mm)	.35	.19	.41	-	.36	.19	.41	-
Double IG Low E #2 & #4 surfaces (argon filled)	.21	15/16" (24 mm)	.29	.18	.39	*	.30	.18	.39	*
Double IG Low E #2 & #4 surfaces (air filled)	.24	15/16" (24 mm)	.31	.18	.39	-	.32	.18	.39	-
Triple IG Low E x 2 (argon filled)	.13	1 3/8" (35 mm)	.24	.23	.38	*	.25	.23	.38	*
Triple IG Low E x 2 (air filled)	.16	1 3/8" (35 mm)	.26	.23	.38	*	.27	.23	.38	*
Triple IG Low E x 2 (hard coat, argon filled)	.14	1 3/8" (35 mm)	.26	.40	.43	**	.27	.40	.43	**
Triple IG Low E x 2 (hard coat, air filled)	.16	1 3/8" (35 mm)	.29	.40	.43	**	.30	.40	.43	**

### NOTES

④ NFRC simulated U factors of units with a horizontal mullion will have values of .01 to .03 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