

# NanaWall Systems

## SL 70 LEED Sheet

### Based on LEED Version 2.2 for New Construction and Major renovation.

**Submittal information for use of SL 70.** This sheet intended to address credits pertaining to Division 8 or commonly requested by Division 8 customers.

#### **Energy and Atmosphere**

- EA credit 1; Optimize Energy Performance:

Achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.

\*Reduced use of fluorescent lighting and mechanical HVAC through the introduction of natural lighting and ventilation. Credits earned can vary from 1 to 10 based on the size of the building and the number of operable walls utilized in conjunction with the remaining building envelope design.

#### **Materials and Resources**

- MR credit 2.1; Construction Waste; Divert 50% from disposal:  
\*Shipping containers for panels is fully recyclable cardboard
- MR credit 2.2; Construction Waste; Divert 75% from disposal:  
\* Shipping containers for panels is fully recyclable cardboard

- MR credit 4.1; Recycled Content:

Use materials with recycled content such that the sum of post consumer recycled content plus one half of the pre-consumer constitutes at least 10% (Based on cost) of the total value of the materials in the project.

\*SL 70 aluminum extrusions are 20% post consumer recycled aluminum.

- MR credit 4.2; Recycled Content:

Use materials with recycled content such that the sum of post consumer recycled content plus one half of the pre-consumer constitutes at least 20% (Based on cost) of the total value of the materials in the project.

\*SL 70 aluminum extrusions are 20% post consumer recycled aluminum.

#### **Indoor Environmental Quality**

- EQ credit 2; Increased Ventilation:

Provide additional outdoor air ventilation to improve indoor air quality for improved occupant comfort, well-being and productivity.

- EQ credit 4.2; Low Emitting Materials-Paints and Coatings:

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

\*SL 70 powder coat finish does not exceed the VOC content limits established in the Green Seal Standard GS-11, Paints First Edition, May 20, 1993.

- EQ Credit 7.1; Thermal Comfort: Design:

Provide a comfortable thermal environment that supports the productivity and well-being of building occupants.

**These units have been rated, certified and labeled in accordance with NFRC 100.**

**Raised Sill – Inward Opening/Outward Opening**

☆ = Energy Star Rating

1 = Meets Energy Star all 4 climate zones

2 = Meets Energy Star all climate zones except northern zone

3 = Meets Energy Star Southern and South/Central zones

<u>Type of Glass</u>	<u>IG Thickness</u>	<u>Inward Opening</u>			<u>Outward Opening</u>		
		<u>U-Factor</u>	<u>SHGC</u>	☆	<u>U-factor</u>	<u>SHGC</u>	☆
Low-E Air fill	15/16"	.40	.31	2	.41	.31	2
Low-E Argon	15/16"	.35	.30	1	.36	.30	1
Heat Mirror TC88 Air fill 2 layers	1 1/2"	.31	.37	1	.32	.37	1
Heat Mirror TC88 krypton fill 2 layers	1 1/2"	.21	.21	1	.22	.21	1
Insulated Impact Low-E Argon fill	1 1/8"	.36	.28	2	.37	.28	2

**Low Profile Saddle Sill – Inward/Outward Opening**

<u>Type of Glass</u>	<u>IG Thickness</u>	<u>Inward Opening</u>			<u>Outward Opening</u>		
		<u>U-Factor</u>	<u>SHGC</u>	☆	<u>U-factor</u>	<u>SHGC</u>	☆
Low-E Air fill	15/16"	.41	.31	3	.42	.31	2
Low-E Argon	15/16"	.36	.31	2	.37	.31	1
Heat Mirror TC88 Air fill 2 layers	1 1/2"	.32	.37	1	.32	.37	1
Heat Mirror TC88 krypton fill 2 layers	1 1/2"	.22	.21	1	.23	.21	1
Insulated Impact Low-E Argon fill	1 1/8"	.37	.28	2	.37	.28	2

**Flush Sill – Inward/Outward Opening**

<b><u>Type of Glass</u></b>	<b><u>IG Thickness</u></b>	<b><u>Inward Opening</u></b>			<b><u>Outward Opening</u></b>		
		<b><u>U-Factor</u></b>	<b><u>SHGC</u></b>	<b><u>☆</u></b>	<b><u>U-factor</u></b>	<b><u>SHGC</u></b>	<b><u>☆</u></b>
<b>Low-E Air fill</b>	<b>15/16"</b>	<b>.40</b>	<b>.31</b>	<b>3</b>	<b>.41</b>	<b>.31</b>	<b>2</b>
<b>Low-E Argon</b>	<b>15/16"</b>	<b>.35</b>	<b>.31</b>	<b>2</b>	<b>.36</b>	<b>.31</b>	<b>1</b>
<b>Heat Mirror TC88 Air fill 2 layers</b>	<b>1 1/2"</b>	<b>.31</b>	<b>.37</b>	<b>1</b>	<b>.31</b>	<b>.37</b>	<b>1</b>
<b>Heat Mirror TC88 krypton fill 2 layers</b>	<b>1 1/2"</b>	<b>.21</b>	<b>.21</b>	<b>1</b>	<b>.22</b>	<b>.21</b>	<b>1</b>
<b>Insulated Impact Low-E Argon fill</b>	<b>1 1/8"</b>	<b>.36</b>	<b>.28</b>	<b>2</b>	<b>.37</b>	<b>.28</b>	<b>2</b>

- EQ Credit 8.1; Daylight and Views: Daylight 75% of spaces:  
Provide for the building occupants a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building

- EQ Credit 8.2; Daylight and Views: Daylight 90% of spaces:  
Provide for the building occupants a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building

**Innovation and Design**

- ID Credit 1-1.4; Innovation in Design:  
Provide design teams and projects the opportunity to be awarded points for exceptional performance above the requirements set by the LEED for New Construction rating system.