



## **Genwall<sup>™</sup> LEED Resources**

for new construction and major renovations.



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## Energy & Atmosphere

### EA Credit 1 **Optimized Energy Performance** (1-19 Points)

Genwall Single Pass can contribute significantly to EA Credit 1 by providing an insulation value that meets or exceeds the baseline values prescribed in ANSI/ASHRAE/IESNA Standard 90.1-2007. Visit [usgbc.org/credits/eal](http://usgbc.org/credits/eal) for specific new/existing building performance rating and associated points.

U- & R-VALUE BASED ON PANEL THICKNESS		
Panel Thickness	U-Value* (with air film on each side of panel)	R-Value* (with air film on each side of panel)
2"	0.07	14
3"	0.04	21

\*Estimated value pending the completion of thermal tests; for the most current information regarding values, contact SGH Inc.

## Materials & Resources

### MR Credit 4 **Recycled Content: 10%** (1 Point) **Recycled Content: 20%** (2 Points)

RECYCLED CONTENT						
Panel Thickness	Panel Module	Face Panel Gage	Linear Panel Gage	Post-Consumer	Pre-Consumer	Total Recycled
2"	32"	26	26	19.6%	5.2%	24.8%
2"	32"	29	29	18.2%	4.9%	23.1%
3"	32"	26	26	17.5%	4.7%	22.2%
3"	32"	29	29	15.9%	4.2%	20.1%

\*These values are based on calculations in accordance with the procedure detailed in the LEED 2009 Reference Guide for Green Building Design and Construction.

### MR Credit 5 **Can Genwall help me gain Regional Materials credits?**

Genwall is an engineered system comprised of several elements such as galvanized steel, coatings, fasteners, clips, cleats, and sealants. Given the nature of this type of system, it's not possible to properly verify and document a primary location of material extraction or processing. Therefore, SGH Inc. suggests you don't include Genwall in your calculations for MR Credit 5.

## Indoor Environmental Quality

### IEQ Credit 4.1 **Low-Emitting Materials: Adhesives and Sealants** (1 Point)

This credit requires that the VOC content of all adhesives and sealants used on the interior of the building (i.e., inside of the weatherproofing system and applied on-site) must be less than the limits established by the South Coast Air Quality Management District, Rule #1168. The field-applied sealant (Tremco JS-773) used with Genwall Single Pass has a VOC content of 180 grams/liter, which is less than the maximum limit of 250 grams/liter established by this regulation for architectural sealants. Therefore, the Tremco JS-773 sealant meets the requirements of IEQ Credit 4.1.

### IEQ Credit 4.2 **Low-Emitting Materials: Paints and Coatings** (1 Point)

Any coating applied to any surface of these panels is coil-applied prior to forming of the panel, and as a result, no VOCs are generated at the job site from field-painting operations.