

# Sonoglass® Acoustic Treatment LEED BD+C v4.0 and v4.1 Credit Contributions

## Material and Resources (MR) Credits

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### Credit: Building Product Disclosure and Optimization - Sourcing of Raw Materials (v4.1)

#### Option 2- Leadership Extraction Practices (1 POINT)

Sonoglass® Acoustic Treatment contains the following recycled contents:

- Post-consumer Recycled Content: 52.64%
- Pre-consumer Recycled Content: 4.70%

## Energy and Atmosphere (EA) Credits

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### Credit: Minimum Energy Performance and Optimize Energy Performance (v4.1)

**Option 1-** Whole Building Energy Simulation (1-18 POINTS; 1-16 POINTS FOR SCHOOLS; 1-20 POINTS FOR HEALTHCARE) OR **Option 2-** Prescriptive Compliance: ASHRAE Advanced Energy Design Guide (1-6 POINTS)

Sonoglass® Acoustic Treatment can be utilized to meet the mandatory provisions of ANSI/ASHRAE/IESNA Standard 90.1-2016 for thermal insulation.

Sonoglass® Acoustic Treatment has an R-value of 3.73 per inch.

## Indoor Environmental Quality (IEQ) Credits

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### Credit: Low-Emitting Materials (v4.1)

**Option 1-** Product Category Calculations OR **Option 2-** Budget Calculation Method (1-3 POINTS)

Sonoglass® Acoustic Treatment has a general emissions evaluation that passes the California Department of Public Health Standard Method (CDPH Std. Mtd.) v1.2-2017. Our range of TVOC after 336 hours is 0.5 mg/m<sup>3</sup> or less, under the school classroom and private office exposure scenarios. This product falls under the Insulation Category under the low-emitting materials credit. **CDPH v1.2-2017 compliant**

### Credit: Thermal Comfort

**Option 1-** ASHRAE Standard 55-2010 (1 POINT)

The thermal comfort design of Sonoglass® Acoustic Treatment is compliant with the ASHRAE Standard 55-2010 and has an R-value of 3.73 per inch.

### Credit: Acoustic Performance (v4.1)

**Option 1-** Speech Privacy, Sound Isolation, and Background Noise (1 POINT)

Sonoglass® Acoustic Treatment has an NRC of .75 at 0.8 inches and an NRC of 1.0 at 1.7 inches and would contribute to an STC rating in conjunction with the other components of the building envelope.

## Monoglass® Incorporated