



## ThermaCoustic TC-417/AF-90 LEED V4 Summary

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### Material and Resources (MR) Credits

#### **Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials**

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

TC-417 glass fibre has a minimum pre-consumer recycled content of 20% and a minimum post-consumer recycled content of 21%.

### Energy and Atmosphere (EA) Credits

#### **Credit: Optimize Energy Performance**

**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)

TC-417 complies with the mandatory provisions of ASNI/ASHRAE/IESNA Standard 90.1-2010 for thermal insulation, and has an R-value of 4.17 per inch.

### Indoor Environmental Quality Credits

#### **Credit: Low-Emitting Materials**

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

TC-417 has a general emissions evaluation that passes the California Department of Public Health (CDPH) Standard Method v1.1-2010. Our range of TVOC after 336 hours is 0.5 mg/m<sup>3</sup> or less, as specified in the CDPH Standard Method v1.1.

#### **Credit: Thermal Comfort**

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

The thermal comfort design of TC-417 is compliant with the ASHRAE Standard 55-2010, and has an R-value of 4.17 per inch.

#### **Credit: Acoustic Performance**

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

TC-417 spray-applied insulation has a NRC of 1.0 at 2 inches, and would contribute to an STC rating in conjunction with the other components of the building envelope.

\*Note: The credits noted above are applicable to TC-417 as well as AF-90 spray applied insulation products.

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