# Aislacustic®

## Helping you achieve LEED® Certifications

**Aislacustic®**
Light density thermo-acoustic fiberglass insulation.

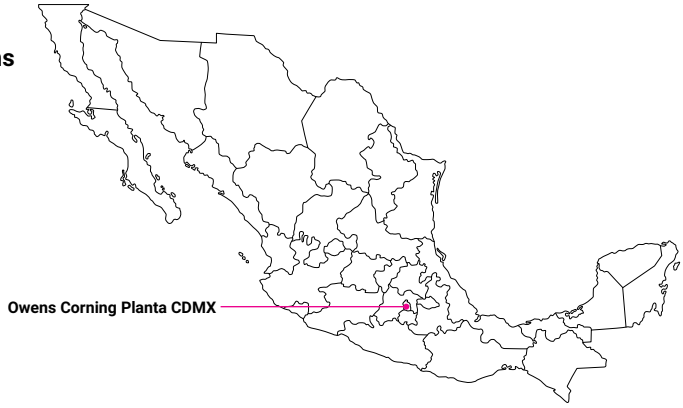
Objective for this document is to evaluate the existing information, derived from specialized studies and analysis, of the products selected by Owens Corning and determine the characteristics and properties of the same that meet the criteria of sustainable performance based on the standards, norms and criteria of the LEED v4 and LEED v4.1 certification.

LEED® Certification and the awarding of credits, is based on the overall project design, properly designed building systems and assemblies, and the performance of the project as a whole. Owens Corning® products can be a component of many of these systems and assemblies. All components within those systems and assemblies should be considered to assess compliance with the LEED® Rating System within a given category.

| Credit Category | Leed® V4 Requirement | Leed® V4.1 Requirement | Owens Corning® Product Comparison |
|---|---|---|---|
| **Energy and Atmosphere (EA)** | | | |
| Minimum Energy Performance | Reduce the environmental and economic harms of excessive energy use by achieving a minimum level of energy efficiency for the building and its systems. | Promote resilience and reduce the environmental and economic harms of excessive energy use that disproportionately impact frontline communities by achieving a minimum level of energy efficiency for the building and its systems. | **Aislacustic®** contributes to reducing building energy consumption, providing the building with a more efficient envelope. The project team is responsible for conducting energy analysis to determine the overall building energy efficiency. **See individual product data sheets for technical details.** |
| Optimize Energy Performance | Achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic harms associated with excessive energy use. | Achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic harms associated with excessive energy use that disproportionately impacts frontline communities. | **Aislacustic®** helps reduce building energy demand depending on R-value. Please see the individual product data sheets for more detail. Energy demand is also dependent on the U-value of construction assembly. The project team is responsible for conducting energy analysis to determine the overall building energy efficiency. **See individual product data sheets for technical details.** |
| **Materials and Resources (MR)** | | | |
| BPDO – Sourcing of Raw Materials | Option 2. leadership extraction practices Use products that meet at least one of the responsible extraction criteria below for at least 25%, by cost, of the total value of permanently installed building products in the project. Recycled content. Recycled content is the sum of postconsumer recycled content plus one-half the preconsumer recycled content, based on cost. Products meeting recycled content criteria are valued at 100% of their cost for the purposes of credit achievement calculation. | Use products sourced from at least three different manufacturers that meet at least one of the responsible sourcing and extraction criteria below for at least 15%, by cost, of the total value of permanently installed building products in the project.<br><br>Use products sourced from at least five different manufacturers that meet at least one of the responsible sourcing and extraction criteria below for at least 30%, by cost, of the total value of permanently installed building products in the project. | Recycled content.<br>The product features 22% post-consumer recycled content and 31% pre-consumer recycled content.<br><br>**SCS-MC-02066** |

| Indoor Environmental Quality (EQ) | | | | |
|---|---|---|---|---|
| | Thermal Comfort | Design heating, ventilating, and air-conditioning (HVAC) systems and the building envelope to meet the requirements of ASHRAE Standard 55–2010, Thermal Comfort Conditions for Human Occupancy, with errata or a local equivalent. For natatoriums, demonstrate compliance with ASHRAE HVAC Applications Handbook, 2011 edition, Chapter 5, Places of Assembly, Typical Natatorium Design Conditions, with errata. | Design heating, ventilating, and air-conditioning (HVAC) systems and the building envelope to meet the requirements of ASHRAE Standard 55–2017, Thermal Comfort Conditions for Human Occupancy with errata or a local equivalent. For natatoriums, demonstrate compliance with ASHRAE HVAC Applications Handbook, 2011 edition, Chapter 5, Places of Assembly, Typical Natatorium Design Conditions, with errata. | Aislacustic contribute to a comfortable thermal environment. See individual product data sheets for details, and check with a local sales representatives for product applications. |
| | Acoustic Performance | For all occupied spaces, meet the following requirements, as applicable, for HVAC background noise, sound isolation, reverberation time, and sound reinforcement and masking. | For all occupied spaces, meet two of the following: HVAC background noise, Sound Transmission, and/or Reverberation time. Meet all three for an exemplary performance point. Confirm compliance via calculations or measurements in representative rooms, and/or design documentation from a person experienced in the field of acoustics. | Aislacustic reduces noise transfer through building assemblies and improve room sound quality.<br><br>**See individual product data sheets for technical details.** |

**Figure 1 - Owens Corning® Aislacustic® Plant Locations**




**To view other Owens Corning® products that help contribute to LEED® certification please visit sustainability.owenscorning.com**

EXPEDITION DATE: NOVEMBER 2023

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