

LITECON AAC PANELS & LEED CERTIFICATION

Litecon AAC panels can help projects earn points towards U. S. Green Building Council's LEED certification. Autoclaved Aerated Concrete (AAC) is a lightweight concrete, commonly known as cellular concrete, manufactured with cutting-edge technology and natural materials such as cement, lime, quartz, and aluminum powder. AAC panels do not require OSB or plywood sheathing and weighs 60% less than conventional concrete, thus reducing environmental impact on transportation and overall construction weight. Products include prefabricated panels and blocks for walls.

LEED credits that will benefit when using Litecon products in your project:

EAp Minimum Energy Performance & EAc Optimize Energy Performance

Litecon Cladding and Firewall panels have a high R-Value and designed for continuous insulation, which contributes to comply easier with ASHRAE 90.1 and local requirements for envelope thermal resistance.

Cladding Panel (2"): $2.3 \text{ h}\cdot\text{ft}^2 \text{ }^\circ\text{F}/\text{BTU}$ | Firewall Panel (3"): $3.6 \text{ h}\cdot\text{ft}^2 \text{ }^\circ\text{F}/\text{BTU}$

MRc Building Product Disclosure and Optimization - Sourcing of Raw Materials

Litecon Cladding and Firewall panels have a 55.95% pre-consumer recycled content, which qualifies as a 27.98% for credit documentation.

MRc Building Product Disclosure and Optimization – Material Ingredients

Litecon Cladding and Firewall panels have a **Health Product Declaration** published by HPD Collaborative, thus contributing to credit compliance.

EQc Low-Emitting Materials

Litecon Cladding and Firewall panels are considered in the "Ceilings, Walls, Thermal, and Acoustic Insulation" category for LEED v4, and "Wall Panels" for LEED v4.1. Being Autoclaved Aerated Concrete panels without any coatings, binders or sealants, these products are considered Inherently Nonemitting Sources.

EQc Acoustic Performance

Litecon has developed **STC testing** for different Cladding and Firewall panels wall systems, with system results of up to STC 50.