

Green Building & Sustainability

Building products which characteristics meet the highest standards will contribute to achieving LEED points. LEED identified and awarded points for the following characteristics of AERCON products:

- Credits 1.1-1.5 - Optimize Energy Performance

Significant energy efficiency can be realized when using AERCON building products. Smaller HVAC equipment means lower energy usage for the life cycle of the structure. Considering sustainability of AAC structures, the total life cycle savings for an AAC building can be tremendous.

- Credits 2.1-2.2 - Construction Waste Management

Since AERCON blocks are solid, the unused portion of a cut block can actually be installed virtually anywhere in the wall assembly, thus allowing for almost 100% usage. This is in contrast to CMU construction where the remaining piece of a cut CMU cannot ordinarily be used, thus becoming waste. When using AERCON panels, there is minimal incidental waste since each panel is custom-made to fit together with no field modification. AERCON panels are typically reinforced with mild steel reinforcing bars. For any waste pieces that may exist, the reinforcement can be separated from the AERCON base material and recycled.

- Credit 5.2 Local / Regional Materials

100% made in U.S.A.

Indoor Environmental Quality

- Credit 7.1 - Thermal Comfort

The thermal efficiency of AERCON products makes them an ideal selection for the building envelope. Having AERCON walls and a roof can be a substantial asset in attaining the temperature and humidity comfort ranges to satisfy this Credit requirement. Intangible benefits include reduced energy consumption for transportation, erection and production. Lightweight; volume ratio: raw vs. finished. Plenteous raw materials; no scarce resources are consumed. Non-toxic finished products; no toxic emissions during production.