

CTL certifies that SLENDERWALL can contribute up to 14+ LEED points

Smith-Midland Corp. has announced that the SLENDERWALL system meets Leadership in Energy and Environmental Design (LEED) standards, providing a contribution of up to 14 points toward LEED certification. The SLENDERWALL system was reviewed by the Construction Testing Laboratory (CTL), an independent testing lab.

SLENDERWALL is an architectural precast concrete and steel stud building panel. It consists of two inches of architectural precast concrete with galvanized welded-wire-fabric reinforcing steel, a half-inch thermal break air space, and an insulated 6-inch deep galvanized (or stainless) steel stud frame. The joints between panels are sealed with two layers of caulk sandwiching a drain strip. The drain strip is a secondary drainage system that also allows leak-detection inspection of potential failure of the caulk. The exterior face of the panel is the finished face. Finishes are available in a variety of colors and textures, including precast brick, granite, limestone, and sandstone.

CTL rendered an opinion regarding SLENDERWALL'S contribution toward LEED's certification for the U.S. Green Building Council's (USGBC) strict criteria designed to promote sustainable buildings for the conservation of energy and resources and the protection of the environment. The LEED Green Building Rating System is the nationally accepted benchmark for the design, construction and operation of high-performance green buildings.

According to the CTL report, LEED's points are awarded for environmentally friendly actions taken during design, construction and use phases of a building project. If designed and built according to accepted principles of energy conservation and environmental protection, SLENDERWALL can be used to contribute on up to 14 points in the version 2.2 of LEED for New Construction and Major Renovations.

SLENDERWALL can help earn LEED points in the following categories: Optimize Energy Performance, Energy and Atmosphere; Materials and Resources; Construction Waste Management, Materials and Resources; Recycled Content, Materials and Resources; and Regional Materials, Materials and Resources.

Innovation and Design Process points can be awarded if an innovative green design strategy is used that does not fit into the point structure of the five LEED categories or if it goes significantly beyond a credit requirement and demonstrates exceptional environmental performance.

SLENDERWALL combines time-proven components to create a permanent, lightweight



wall system for both new construction and re-cladding projects. Architectural precast concrete, insulated Nelson anchors and heavy-gauge stainless or galvanized steel studs create a single, efficient exterior wall system with unlimited design freedom.

Architectural Precast Concrete Brick, or Second Nature, is the only "Class A" Architectural Precast Concrete Brick finish with the quality level necessary for "Class A" commercial projects. It features no leaking brick joints.

SLENDERWALL offers the latest DURAFLEX 360° technology, the only 2-inch wall connection system that meets AAMA 501.4-2000, the Interstory Differential Movement vertical and horizontal displacement test. DURAFLEX 360° allows isolation from the exterior precast concrete skin and the structural stresses associated with wind loading, steel frame movement, expansion and contraction, and seismic shock.

For more information call 540-439-3266 or see smithmidland.com or slenderwall.com. **CM**