

SmartWall Systems® Guide Specification

Guide Specification (Short Form): Sec 04810 - Unit Masonry Assemblies:

SmartWall Systems walls shall be constructed using high performance concrete masonry units manufactured by a SmartWall Systems producer certified by the Expanded Shale Clay and Slate Institute, Salt Lake City, Utah. The concrete masonry units shall meet the requirements of ASTM C 90 Standard Specification for Load Bearing Concrete Masonry Units and the following additional requirements:

- The concrete masonry unit shall have a minimum net compressive strength of 2500 psi (17 MPa) and a density not exceeding 93 lb/cu ft (1500 kg/m³), determined in accordance with ASTM C 140 Sampling and Testing Concrete Masonry Units.
- The lightweight aggregate used in the manufacture of the concrete masonry units shall be structural grade expanded shale, clay or slate manufactured by the rotary kiln process, and shall meet the requirements of ASTM C 331 Standard Specification for Lightweight Aggregate for Concrete Masonry Units”.