



TITAN BLOCK

SPECIFICATIONS FOR CONCRETE MASONRY

Specifications governing manufacturing, testing, and use of concrete masonry units and associated materials can be found in the following ASTM Standard:

Specifications

- C55 Concrete Building Brick
- C73 Calcium Silicate Face Brick (Sand Lime Brick)
- C90 Hollow Load-Bearing Concrete Masonry Units
- C129 Non-Load-Bearing Concrete Masonry Units
- C139 Concrete Masonry Units for Construction of Catch Basins/Manholes
- C144 Aggregate for Masonry Mortar
- C145 Solid Load-Bearing Concrete Masonry Units
- C270 Mortar for Unit Masonry
- C331 Lightweight Aggregate for Concrete Masonry Units
- C476 Grout for Masonry
- C744 Prefaced Concrete and Calcium Silicate Masonry Units

Testing Methods

- C140 Sampling and Testing Concrete Masonry Units
- C426 Drying Shrinkage of Concrete Block
- C780 Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry
- C1019 Sampling and Testing Grout
- E447 Compressive Strength of Masonry Prisms

All of the above ASTM standards are reprinted in their entirety, in a booklet published by the National Concrete Masonry Association. The publication, appropriately called "ASTM Specifications for Concrete Masonry Units" can be obtained by contacting the:

**National Concrete Masonry Association
P.O. Box 781
Herndon, VA 22070-0781**

Note

Please be advised that due to the high rainfall and humidity in Florida, Type I moisture controlled units, as prescribed by ASTM C-90 are not available. Control joint spacing and location should be designed utilizing the Type II non-moisture controlled units.

Structural Design

Design of Concrete Masonry Structures and preparation of masonry specifications should be done under the guidelines of the ACI 530-88/ASCE 5-88 National Design Code and Specifications. This code was published in 1989 and represents the latest in both concrete and clay masonry building technology. ACI 530-88/ASCE 55-88 may be obtained by contacting the:

**American Concrete Institute
or
American Society of Civil Engineers**

Local building codes may require methods of construction that differ from the National ACI 530-88/ASCE 5-88 Code. Please note that with rare exception, local building codes allow for a registered Architect or Engineer to use the provisions and methods of the National Codes in lieu of the local code requirements.