

University of Puerto Rico at Mayaguez
 Department of Civil Engineering and Surveying
 Construction Materials Laboratory
 (787) 832-4040 ext. 3430, 3392

List of Tests and Standards

Recurrent Tests	
Unit Weight of Aggregates	ASTM C29
Sieve Analysis	ASTM C136
Specific Gravity	ASTM C127 (coarse) ASTM C128 (fine)
Absorption of Aggregates	ASTM C127 (coarse) ASTM C128 (fine)
Moisture Content of Aggregates	ASTM C566
Voids in Aggregates for Concrete	ASTM C29
Organic Impurities in Fine Aggregates	ASTM C40
Compressive Strength of Mortar Cubes (2 in cube specimens)	ASTM C109
Compressive Strength of Molded Concrete Cylinders	ASTM C39
Flexural Strength of Concrete	ASTM C78
Split Tensile Strength of Molded Concrete Cylinders	ASTM C496
Compressive Strength of Masonry Units	ASTM C140
Drying, Shrinkage of Concrete Blocks	ASTM C426
Absorption of Masonry Units	ASTM C140
Time of Setting Hydraulic Cement	ASTM C191
Tension Test of Reinforcement Bars	ASTM A370
Extraction and Testing of Drilled Cores	ASTM C1604 ACI 214.4R-03
Specialized Test	
Soundness of Aggregates by use of Sodium or Magnesium Sulfate	ASTM C88
Alkali-Silica susceptibility of sand by the mortar bar method	ASTM C1260
Plasticity Index	ASTM D4318
Los Angeles Abrasion	ASTM C131 ASTM C535
Accelerate Aggregate Polishing by British Wheel/British Pendulum Tester	ASTM D3319 ASTM E303
Determination of the Charpy Impact Resistance of Notched Specimens	ASTM A370