



Q O R E
PROPERTY SCIENCES

Plant: Georgia Masonry Supply Job No: 19856 Report Date: 7/31/07
 Client: Georgia Masonry Supply Report No: 348102 Received Date: 7/26/07
 Unit ID: 6-inch CMU, Lightweight

Concrete Masonry Unit Testing

Absorption and Density

Specimen No	1A	1B	1C	Average
Received weight, lbs	24.69	24.49	24.78	24.65
Width, inches	5.62	5.62	5.64	5.63
Height, inches	7.59	7.56	7.60	7.58
Length, inches	15.56	15.56	15.57	15.56
Immersed weight, lbs	11.70	11.59	11.70	11.66
Saturated weight, lbs	25.16	24.98	25.21	25.12
Dry weight, lbs	22.40	22.21	22.41	22.34
Absorption, %	12.3	12.5	12.5	12.4
Absorption, pcf	12.8	12.9	12.9	12.9
Density, pcf	103.8	103.5	103.5	103.6

Compressive Strength (test date 7/30/07)

Specimen No	1D	1E	1F	Average
Received Weight, lbs	24.47	24.93	24.74	24.71
Gross Area, in ²	87.6	87.6	87.6	87.6
Average Net Area, in ²	49.2	49.2	49.2	49.2
Load, lbs	90,050	96,860	99,830	95,580
Gross Area Compressive Strength, psi	1,030	1,110	1,140	1,090
Net Area Compressive Strength, psi	1,830	1,970	2,030	1,940

Dimensions

Specimen No	1A	1B	1C	Average
Face Shell Thickness, inches	1.14	1.13	1.14	1.14
Web Thickness, inches	1.1	1.1	1.1	1.1
Equivalent Web Thickness, inches	2.6	2.6	2.6	2.6
Equivalent Thickness, inches	3.2	3.2	3.2	3.2

These results comply with the compressive strength, absorption and dimensional requirements of ASTM C90. Tests were performed in accordance with ASTM C140.

Submitted by,

Russell Scribner

Russell Scribner

Materials Laboratory Manager

Report Distribution:

GMS / Mr. Leonard Earp