



Q O R E

PROPERTY SCIENCES

Plant: Georgia Masonry Supply Job No: 19856 Report Date: 3/5/08
 Client: Georgia Masonry Supply Report No: 366657 Received Date: 2/15/08
 Unit ID: 12-inch Lightweight, UL 4-hour

Concrete Masonry Unit Testing

Absorption and Density

Specimen No	1A	1B	1C	Average
Received weight, lbs	33.03	32.46	33.08	32.86
Width, inches	11.63	11.63	11.63	11.63
Height, inches	7.61	7.61	7.59	7.60
Length, inches	15.57	15.57	15.58	15.57
Immersed weight, lbs	13.30	13.02	13.29	13.20
Saturated weight, lbs	38.09	37.56	38.02	37.89
Dry weight, lbs	31.78	31.24	31.69	31.57
Absorption, %	19.9	20.2	20.0	20.0
Absorption, pcf	15.9	16.1	16.0	16.0
Density, pcf	80.0	79.4	80.0	79.8

Compressive Strength

Specimen No	1D	1E	1F	Average
Received Weight, lbs	32.99	32.90	33.27	33.05
Gross Area, in ²	181.1	181.1	181.1	181.1
Average Net Area, in ²	90.0	90.0	90.0	90.0
Load, lbs	238,400	230,270	236,400	235,020
Gross Area Compressive Strength, psi	1,320	1,270	1,310	1,300
Net Area Compressive Strength, psi	2,650	2,560	2,630	2,610

Dimensions

Specimen No	1A	1B	1C	Average
Minimum Face Shell Thickness, inches	1.73	1.76	1.74	1.74
Minimum Web Thickness, inches	1.2	1.3	1.2	1.2
Equivalent Web Thickness, inches	2.9	2.9	2.9	2.9
Equivalent Thickness, inches	5.8	5.7	5.8	5.8

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

Submitted by,

Russell Scribner

Materials Laboratory Manager

Report Distribution:

GMS / Mr. Leonard Earp