



**Q O R E**  
PROPERTY SCIENCES

Plant: Georgia Masonry Supply Job No: 19856 Report Date: 3/5/08  
 Client: Georgia Masonry Supply Report No: 366662 Received Date: 2/15/08  
 Unit ID: 8-inch Lightweight, UL 4-hour

**Concrete Masonry Unit Testing**

**Absorption and Density**

Specimen No	6A	6B	6C	Average
Received weight, lbs	29.21	27.88	28.68	28.59
Width, inches	7.63	7.61	7.61	7.62
Height, inches	7.64	7.59	7.60	7.61
Length, inches	15.57	15.56	15.55	15.56
Immersed weight, lbs	11.28	10.72	11.50	11.17
Saturated weight, lbs	33.48	32.33	33.34	33.05
Dry weight, lbs	27.91	26.79	27.58	27.43
Absorption, %	20.0	20.7	20.9	20.5
Absorption, pcf	15.7	16.0	16.5	16.1
Density, pcf	78.4	77.4	78.8	78.2

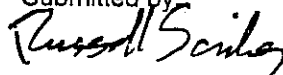
**Compressive Strength**

Specimen No	6D	6E	6F	Average
Received Weight, lbs	28.29	28.70	28.69	28.56
Gross Area, in <sup>2</sup>	118.6	118.6	118.6	118.6
Average Net Area, in <sup>2</sup>	79.6	79.6	79.6	79.6
Load, lbs	193,000	174,290	167,170	178,150
Gross Area Compressive Strength, psi	1,630	1,470	1,410	1,500
Net Area Compressive Strength, psi	2,420	2,190	2,100	2,240

**Dimensions**

Specimen No	6A	6B	6C	Average
Minimum Face Shell Thickness, inches	2.24	2.23	2.25	2.24
Minimum Web Thickness, inches	1.0	1.0	1.0	1.0
Equivalent Web Thickness, inches	2.3	2.3	2.3	2.3
Equivalent Thickness, inches	5.2	5.1	5.1	5.1

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

Submitted by  
  
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 Materials Laboratory Manager

Report Distribution:  
 GMS / Mr. Leonard Earp