



Q O R E

PROPERTY SCIENCES

Plant: Georgia Masonry Supply Job No: 19856 Report Date: 9/29/07
Client: Georgia Masonry Supply Report No: 353638 Received Date: 9/13/07
Unit ID: 8-inch CMU, Lightweight

Concrete Masonry Unit Testing

Absorption and Density

Specimen No	1	2	3	Average
Received weight, lbs	28.99	28.41	27.76	28.39
Width, inches	7.61	7.61	7.61	7.61
Height, inches	7.55	7.50	7.53	7.53
Length, inches	15.60	15.60	15.61	15.60
Immersed weight, lbs	14.96	14.33	13.88	14.39
Saturated weight, lbs	31.58	31.18	30.58	31.11
Dry weight, lbs	28.25	27.68	27.03	27.65
Absorption, %	11.8	12.6	13.1	12.5
Absorption, pcf	12.5	13.0	13.3	12.9
Density, pcf	106.1	102.5	101.0	103.2

Compressive Strength

Specimen No	4	5	6	Average
Received Weight, lbs	27.54	28.51	27.85	27.97
Gross Area, in ²	118.7	118.7	118.7	118.7
Average Net Area, in ²	61.5	61.5	61.5	61.5
Load, lbs	137,170	151,780	144,450	144,470
Gross Area Compressive Strength, psi	1,160	1,280	1,220	1,220
Net Area Compressive Strength, psi	2,230	2,470	2,350	2,350

Dimensions

Specimen No	1	2	3	Average
Face Shell Thickness, inches	1.27	1.28	1.27	1.27
Web Thickness, inches	1.2	1.2	1.2	1.2
Equivalent Web Thickness, inches	2.7	2.8	2.8	2.8
Equivalent Thickness, inches	3.9	4.0	3.9	3.9

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:
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