



Q O R E

PROPERTY SCIENCES

Plant: Georgia Masonry Supply Job No: 19856 Report Date: 8/15/07
 Client: Georgia Masonry Supply Report No: 349794 Received Date: 8/01/07
 Unit ID: 12-inch Regular Lightweight

Concrete Masonry Unit Testing

Absorption and Density

Specimen No	4A	4B	4C	Average
Received weight, lbs	42.78	43.30	43.68	43.25
Width, inches	11.58	11.61	11.61	11.60
Height, inches	7.58	7.60	7.57	7.58
Length, inches	15.52	15.52	15.51	15.52
Immersed weight, lbs	21.12	21.36	21.61	21.36
Saturated weight, lbs	45.18	45.64	45.82	45.55
Dry weight, lbs	40.12	40.50	40.88	40.50
Absorption, %	12.6	12.7	12.1	12.5
Absorption, pcf	13.1	13.2	12.7	13.0
Density, pcf	104.1	104.1	105.4	104.5

Compressive Strength

Specimen No	4D	4E	4F	Average
Received Weight, lbs	42.48	43.49	43.08	43.02
Gross Area, in ²	180.0	180.0	180.0	180.0
Average Net Area, in ²	88.4	88.4	88.4	88.4
Load, lbs	253,990	263,020	256,150	257,720
Gross Area Compressive Strength, psi	1,410	1,460	1,420	1,430
Net Area Compressive Strength, psi	2,870	2,980	2,900	2,920

Dimensions

Specimen No	4A	4B	4C	Average
Face Shell Thickness, inches	1.48	1.44	1.45	1.46
Web Thickness, inches	1.4	1.4	1.4	1.4
Equivalent Web Thickness, inches	3.2	3.3	3.2	3.2
Equivalent Thickness, inches	5.7	5.7	5.7	5.7

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
Materials Laboratory Manager

Report Distribution:
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