



Georgia Masonry Supply

AN Oldcastle COMPANY

Plant: Georgia Masonry Supply

Job No. 09-02

Report Date: 3/27/2009

Unit ID: 4 x 8 x 16 Lightweight Concrete Masonry Unit

Concrete Masonry Unit Testing

Absorption and Density

Specimen No	1	2	3	Average
Received Weight, lbs	21.1	21.17	21.5	21.26
Width, inches	3.64	3.62	3.63	3.63
Height, inches	7.52	7.65	7.62	7.60
Length, inches	15.56	15.56	15.56	15.56
Immersed weight, lbs	10.32	10.31	10.49	10.37
Saturated weight, lbs	21.5	21.56	21.84	21.63
Dry weight, lbs	18.69	18.69	19.1	18.83
Absorption, %	15.0	15.4	14.4	14.9
Absorption, pcf	15.7	15.9	15.1	15.6
Density, pcf	104.3	103.7	105.0	104.3

Dimensions

Specimen No	1	2	3	Average
Minimum Face Shell Thickness, inches	1.03	1.02	1.01	1.02
Minimum Web Thickness, inches	1.0	1.1	1.1	1.1
Equivalent Web Thickness, inches	2.7	2.8	2.8	2.8
Equivalent Thickness, inches	2.6	2.6	2.7	2.6

Compressive Strength

Specimen No	4	5	6	Average
Received Weight, lbs	21.1	21.18	21.33	21.20
Gross Area, sqin	56.7	56.4	56.5	56.5
Average Net Area, sqin	41.2	40.7	41.3	41.1
Load, lbs	98270	94800	100680	97920
Gross Area Compressive Strength, psi	1730	1680	1780	1730
Net Area Compressive Strength, psi	2390	2330	2440	2390

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

Submitted by,

Alan Kramer
Quality Manager
Georgia Masonry Supply