



Georgia Masonry Supply

AN Oldcastle COMPANY

Plant: Georgia Masonry Supply

Job No. 09-102

Report Date: 12/13/2009

Unit ID: 12 x 8 x 16 4 Hour UL Light Weight

### Concrete Masonry Unit Testing

#### Absorption and Density

Specimen No	1	2	3	Average
Received Weight, lbs	35.66	36.06	35.31	35.68
Width, inches	11.63	11.65	11.62	11.63
Height, inches	7.61	7.59	7.60	7.60
Length, inches	15.56	15.56	15.56	15.56
Immersed weight, lbs	12.98	13.01	12.67	12.89
Saturated weight, lbs	37.65	37.76	37.20	37.54
Dry weight, lbs	30.55	30.73	30.11	30.46
Absorption, %	23.2	22.9	23.6	23.2
Absorption, pcf	17.9	17.7	18.0	17.9
Density, pcf	77.3	77.5	76.6	77.1

#### Dimensions

Specimen No	1	2	3	Average
Minimum Face Shell Thickness, inches	1.78	1.79	1.78	1.78
Minimum Web Thickness, inches	1.3	1.3	1.3	1.3
Equivalent Web Thickness, inches	3.0	3.0	3.0	3.0
Equivalent Thickness, inches	5.8	5.8	5.7	5.8

#### Compressive Strength

Specimen No	4	5	6	Average
Received Weight, lbs	35.29	34.66	33.49	34.48
Gross Area, sqin	181.0	181.0	181.0	181.0
Average Net Area, sqin	89.8	89.8	89.8	89.8
Load, lbs	231530	227830	237100	232153
Gross Area Compressive Strength, psi	1280	1260	1310	1280
Net Area Compressive Strength, psi	2580	2540	2640	2590

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