



Georgia Masonry Supply

AN Oldcastle COMPANY

Plant: Georgia Masonry Supply

Job No. 09-101

Report Date: 12/13/2009

Unit ID: 8 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	34.02	33.22	33.94	33.73
Width, inches	7.63	7.63	7.61	7.62
Height, inches	7.55	7.60	7.56	7.57
Length, inches	15.56	15.56	15.56	15.56
Immersed weight, lbs	12.62	12.29	12.38	12.43
Saturated weight, lbs	34.76	34.66	34.37	34.60
Dry weight, lbs	28.46	28.50	27.84	28.27
Absorption, %	22.1	21.6	23.5	22.4
Absorption, pcf	17.8	17.2	18.5	17.8
Density, pcf	80.2	79.5	79.0	79.6

Dimensions

Specimen No	1	2	3	Average
Minimum Face Shell Thickness, inches	2.27	2.26	2.26	2.26
Minimum Web Thickness, inches	1.0	1.0	1.0	1.0
Equivalent Web Thickness, inches	2.4	2.4	2.4	2.4
Equivalent Thickness, inches	5.2	5.2	5.2	5.2

Compressive Strength

Specimen No	4	5	6	Average
Received Weight, lbs	33.06	31.53	31.38	31.99
Gross Area, sqin	118.6	118.6	118.6	118.6
Average Net Area, sqin	81.1	81.1	81.1	81.1
Load, lbs	196220	187940	189830	191330
Gross Area Compressive Strength, psi	1650	1580	1600	1610
Net Area Compressive Strength, psi	2420	2320	2340	2360

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