

CONCRETE MASONRY UNIT TEST REPORT

Report Number: 9011113.0006
 Service Date: 9/21/2011
 Report Date: 9/26/2011

Terracon
 Consulting Engineers & Scientists
 6911 Blanco Rd
 San Antonio, TX 78216-6164
 210-641-2112 Reg No: F-3272

Client

Capitol Products
 Attn: Steve Miniz
 7531 N. IH 35
 Jarrell, Texas 76537

Project

Concrete Masonry Unit Testing
 7531 N. IH 35
 Jarrell, Texas

Project Number: 9011113

PROJECT INFORMATION AND TEST RESULTS

Sample Identification: 6" x 8" x 16" Medium Weight CMU Units

Terracon Representative: Steve Kosub

Summary of Tests Results

Physical Property	Specified Values	Average Test Results	Physical Property	Specified Values	Average Test Results
Net Compressive Strength	1900 min	2,840 psi	Min. Faceshell Thickness (FST)	1.00	1.02 in.
Gross Compressive Strength		1,460 psi	Min. Web Thickness (WT)	1.00	1.02 in.
Density	105 to 125 pcf	115.98 pcf	Equivalent Web Thickness	2.25	2.36 in.
Absorption	15 max	13.63 pcf	Equivalent Thickness	--	2.88 in.
Percent Solid		51.38 psi	Net Cross-Sectional Area	--	44.60 in. ²
			Gross Cross-Sectional Area	--	86.80 in. ²

Individual Unit Test Results

Specimen No.	Received Wt,WR (lb)	Cross- Sectional Area		Max. Load (lb)	Compressive Strength		
		Gross (in. ²)	Net* (in. ²)		Gross (psi)	Net (psi)	
Compression Units	#1	0.00	86.80	44.60	131,100	1,510	2,940
	#2	0.00	86.80	44.60	119,270	1,370	2,670
	#3	0.00	86.80	44.60	129,640	1,490	2,910
	Average	0.00	86.80	44.60	126,670	1,460	2,840

* Net area determined from absorption specimens unless solid units are used.

Specimen No.	Avg. Width (in)	Avg. Height (in)	Avg. Length (in)	Avg. min FST (in)	Avg. min WT (in)	
Absorption Units	#4	5.600	7.600	15.500	1.02	1.01
	#5	5.600	7.600	15.500	1.02	1.02
	#6	5.600	7.600	15.500	1.02	1.02
	Average	5.600	7.600	15.500	1.02	1.02

Specimen No.	Received Wt,WR** (lb)	Immersed Wt, WI (lb)	Saturated Wt, Ws (lb)	Oven-Dry Wt, Wd (lb)	Absorp. (pcf)	Density (pcf)	Net Volume (ft ³)	Net Area (in ²)	Percent Solid (%)	Moisture Content** % of total absorption
#4	22.92	13.07	25.33	22.28	15.52	113.40	0.1965	44.67	51.47	--
#5	23.07	13.18	25.38	22.90	12.68	117.13	0.1955	44.45	51.21	--
#6	23.21	13.30	25.56	23.07	12.67	117.42	0.1965	44.67	51.47	--
Average	23.07	13.18	25.42	22.75	13.63	115.98	0.1962	44.60	51.38	--

** Received weight determined at the time of unit delivery to the job site or from units sampled at that time and delivered to the laboratory. These tested properties meet or exceed the applicable requirements of ASTM C90-11 unless indicated with *.

Reviewed By:


 Daniel Jacobs
 Senior Project Manager