



Central Florida Testing Laboratories, Inc.

Testing, Development and Research

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Engineering Business #1066

Geology Business #224

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LAB NO.:	199505	SAMPLED BY:	Client
MATERIAL:	8x8x16 Regular Concrete Block (Recycle) ReNuBlok™	SAMPLED FROM:	Block Plant [†]
PROJECT:	Product Check	DATE RECEIVED:	3/17/09
SOURCE OF SUPPLY:	Cement Products & Supply Co., Inc. - Lakeland [†]	TESTED BY:	LAB
CONTRACTOR:		DATE TESTED:	3/18/09
CLIENT:	Cement Products & Supply Co., Inc.	DATE REPORTED:	3/20/09
REPORTS TO:	Cement Products & Supply Co., Inc., ATTN: Gary Clements		

CONCRETE BLOCK DATA

TYPE OF BLOCK: 8x8x16 Regular Concrete Block (Recycle)
 TYPE AGGREGATE: Limestone
 DATE PRODUCED: 2/18/09
 AGE at TESTING (DAYS): 28

SAMPLE NUMBER--	1	2	3	AVG
ACTUAL WIDTH	7.63	7.63	7.63	7.63
ACTUAL HEIGHT	7.66	7.66	7.66	7.66
ACTUAL LENGTH	15.58	15.63	15.58	15.59
FACE SHELL THICKNESS	1.28	1.27	1.28	1.28
WEB THICKNESS	1.05	1.08	1.06	1.06
DRY WEIGHT	32.39	32.79	32.37	32.52
MOISTURE AT SAMPLING (%)	22.3	23.7	23.2	23.1
UNIT WT (pcf)	115.9	117.0	116.0	116.3
NET AREA (%)	53.10	53.09	53.04	53.08
NET AREA (sq in)	63.08	63.25	63.01	63.11
GROSS VOLUME (cu ft)	0.53	0.53	0.53	0.53
GROSS AREA (sq in)	118.8	119.1	118.8	118.9
EQUIVALENT WEB THICKNESS (in)	2.8	2.8	2.8	2.8
EQUIVALENT THICKNESS (in)	4.0	4.0	4.0	4.0
FIRE RATING (hrs)	2.0	2.0	2.0	2.0

ABSORPTION

ABSORPTION (%)	11.0	10.2	10.5	10.5
ABSORPTION (pcf)	12.7	11.9	12.2	12.3

COMPRESSIVE STRENGTH

SAMPLE NUMBER--	4	5	6	AVG
TOTAL LOAD (lbs)	139,000	135,000	134,000	136,000
NET AREA UNIT LOAD (psi)	2,200	2,140	2,120	2,150

ASTM C 90 SPECIFICATIONS

Net Area Compressive Strength: Avg. of 3 units - 1900 psi min.; Individual - 1700 psi min.
 Absorption pcf: Avg. of 3 units - 15 pcf Max.; Individual - 17 pcf Max.

Based on the above test results, the block tested has a calculated fire rating of 2 Hrs. and meets ASTM C-90 specifications for strength and absorption. Fire rating obtained from Table 721.3.2.1 of the 'Florida Building Code' (2004). Block tested according to ASTM C 140.

[†] Source of Supply, Mix Design and Sample Location not verified by CFTL