



REPORT ON TESTS OF CONCRETE MASONRY UNITS

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FORM #2

Product ID:	110000802-RM
Unit Description:	8" Ready Brick Concrete
Sample ID:	46053 46058
Batch Design #:	Ollier- P&G #U619

Manufactured Date:	6/15/16		
Product Collection Date:	6/17/16		
Report Issued Date:	6/29/16		
Test Specification:	ASTM C90	Test Method	ASTM C140

Early Age Compression Test							
Test Date: 6/29/2016							
Age: 14 Days							
Unit ID	Length (in)	Width (in)	Height (in)	Net Area (in^2)	Load (Lbs)	Strength (psi)	Weight (Lbs)
46053	15.620	7.645	7.595	61.5	187,930	3,054	35.20
46054	15.622	7.642	7.614	61.5	196,690	3,196	35.30
46055	15.621	7.657	7.545	61.5	185,240	3,010	35.10
Average	15.621	7.648	7.585		Average	3,090	35.2

28-Day Compression Test						
Test Date:						
Age:						
Unit ID	Length (in)	Width (in)	Net Area (in^2)	Load (Lbs)	Strength (psi)	Weight (Lbs)
			61.5		-	
			61.5		-	
			61.5		-	
Average				Average	-	0.0

Absorption Test Results				
Unit ID:	46056	45057	45058	Avg
Weight as Received, grams				
Weight in water (imm), grams	9416	9447	9432	9432
Weight saturated (ssd), grams	17050	17110	17080	17080
Weight oven dry (od), grams	15681	15740	15711	15711
Gross Volume Cu.Ft.	0.525	0.526	0.522	0.524
Net Volume, cu. ft.	0.270	0.271	0.270	0.270
Percent Solid	51.4%	51.6%	51.5%	51.5%
Net Area, sq. in.	61.4	61.7	61.5	61.5
Absorption, lbs/ cu. ft.	11.2	11.2	11.2	11.2
Percent Absorption*	8.7%	8.7%	8.7%	8.7%
Unit Weight, lbs/cu. ft.	128.2	128.2	128.2	128.18
Percent Moisture Content				
Equivalent Thickness T	3.93	3.95	3.94	3.94

Compressive Strength Testing Summary		
Strength Required:	2000 psi (avg.)	1800 psi (min.)
Early Age Result:	3,090	PASS
28-Day Result:		

* Regular weight concrete block must have less than 13 pcf absorption and over 125lbs/cuft
 * Lightweight concrete block must have less than 18 pcf absorption and under 105 lbs/cuft
 Comments:

Should you have any questions, or if we may be of further service, please contact me at (513) 874-2345.

Reading Rock, Inc.
 John Lindsey, P.E.