

BOWSER-MORNER, INC.

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AASHTO/ISO 17025 Accredited

REPORT ON TESTS OF CONCRETE MASONRY UNITS

Report To: Tri-County Block & Brick
Attn: Donovan Cooley
1628 US 20A
Swanton, OH 43558

Report Date: 03/31/17
Job No.: 178718
Report No.: 200861
No. of Pages: 1

Date Made: n/a

Date Received: 03/01/17

Specs: ASTM C 90 (Strength & Absorption Only)

Test Method: ASTM C 140

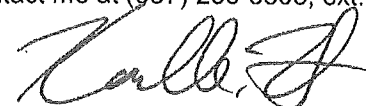
Unit: 2" Solid Normal Weight Loadbearing Concrete Masonry Unit

2 x 8 x 16

COMPRESSIVE STRENGTH					SPECIFICATIONS	
Specimen No.	8D	8E	8F	Average	Individual	Average
Length in Inches	8.03	8.00	8.00			
Width in Inches	1.62	1.65	1.64	1.64		
Height in Inches	3.96	3.93	3.93			
Gross Area, Sq. In.	13.0	13.2	13.1			
No. of Cells	0	0	0			
Total Load in lbs.	44,270	45,365	38,390			
Gross Unit Load, psi	3400	3440	2930	3260		
Gross Volume, Cu. Ft.	0.0298	0.0300	0.0298	0.0299		
Net Unit Load, psi	3440	3530	2980	3320	1800 Min.	2000 Min.
ABSORPTION						
Specimen No.	8A	8B	8C	Average	Individual	Average
Wt. As Received, lbs.	4.05	3.93	4.03			
Suspended Wt., lbs.	2.37	2.27	2.36			
Wet Wt., lbs.	4.22	4.08	4.19			
Dry Wt., lbs.	3.92	3.77	3.89			
Absorption, lbs./Cu.Ft.	10.1	10.7	10.2	10.3	15 Max.	13 Max.
Absorption, % of Dry Wt.	7.7	8.2	7.7	7.9		
% Moisture, % Absorption	43.3	51.6	46.7			
Net Vol., Cu. Ft.	0.030	0.029	0.029	0.029		
Net Area, Sq. In.	12.9	12.8	12.9	12.9		
Dry Den, lbs./Cu.Ft.	132.2	130.0	132.6	131.6		
FIRE RATING						
Aggregate Type:	91% Limestone, 9% Siliceous Sand					
Percent Solids:	100.0 %	Ohio Building Code (OBC) Table 721.3.2				
Equivalent Thickness:	1.6 inches	Fire Resistance Rating:			0.3 hrs	
SOUND TRANSMISSION CLASS (STC) RATING (TEK 13-1C, 2012)						
STC Rating: 42 (TEK 13-1C, 2012 - Table 1 - Calculated STC Ratings for Concrete Masonry Walls)						

Should you have any questions, or if we may be of further service, please contact me at (937) 236-8805, ext. 322.

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