

BOWSER-MORNER, INC.

Delivery Address: 4518 Taylorsville Rd • Dayton, Ohio 45424 Mailing Address: P.O. Box 51 • Dayton, Ohio 45401

AASHTO/ISO 17025 Accredited • USACE Validated



REPORT ON TESTS OF CONCRETE MASONRY UNITS

Report To: Tri-County Block & Brick Inc.
Attn: Donavan Cooley
1628 U.S. Route 20A
Swanton, OH 43558

Report Date: 04/14/19

Job No.: 189564

Report No.: 114512

No. of Pages: 1

Date Made: Unknown

Date Received: 03/28/19

Specs: ASTM C 90 (Strength & Absorption Only)

Test Method: ASTM C 140

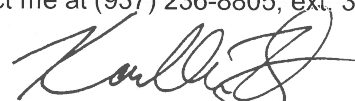
Unit: 8" Solid Normal Weight Load Bearing Concrete Masonry Unit

8 x 8 x 16

COMPRESSIVE STRENGTH					SPECIFICATIONS	
Specimen No.	6D	6E	6F	Average	Individual	Average
Length in Inches	7.91	7.87	7.61			
Width in Inches	7.64	7.65	7.65	7.65		
Height in Inches	7.67	7.67	7.66			
Equiv. Web Thickness, in/ft.	4.92	4.88	5.06	4.95		2 1/4 (2.25) Min.
Gross Area, Sq. In.	60.4	60.2	58.2			
No. of Cells	0	0	0			
Total Load in lbs.	306,895	283,550	269,320			
Gross Unit Load, psi	5080	4710	4630	4810		
Gross Volume, Cu. Ft.	0.2682	0.2672	0.2581	0.2645		
Net Unit Load, psi	5270	4870	4620	4920	1800 Min	2000 Min.
ABSORPTION					SPECIFICATIONS	
Specimen No.	6A	6B	6C	Average	Individual	Average
Wt. As Received, lbs.	34.94	35.11	36.58			
Suspended Wt., lbs.	19.64	19.84	20.62			
Wet Wt., lbs.	35.56	35.76	37.16			
Dry Wt., lbs.	34.19	34.40	35.81			
Absorption, lbs./Cu.Ft.	5.4	5.3	5.1	5.3	15 Max.	13 Max.
Absorption, % of Dry Wt.	4.0	4.0	3.8	3.9		
% Moisture, % Absorption	54.7	52.2	57.0			
Net Vol., Cu. Ft.	0.255	0.255	0.265	0.258		
Net Area, Sq. In.	57.5	57.5	59.8	58.3		
Dry Den, lbs./Cu.Ft.	134.0	134.8	135.1	134.6		
FIRE RATING						
Aggregate Type:	70% Limestone No. 9 and Manufactured Sand / 30% RPCC					
Percent Solids:	97.7	%	Ohio Building Code (OBC) Table 721.3.2			
Equivalent Thickness:	7.5	inches	Fire Resistance Rating:		6.0 hours	
SOUND TRANSMISSION CLASS (STC) RATING (TEK 13-1C, 2012)						
STC Rating: 57 (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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