

BOWSER-MORNER, INC.

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AASHTO/ISO 17025 Accredited

REPORT ON TESTS OF CONCRETE MASONRY UNITS

Report To: Tri-County Block & Brick, Inc.
Attn: Ed Kuhlman
1628 Airport Highway
Swanton, OH 43558

Report Date: 02/28/12
Job No.: 157263
Report No.: 707727
Submitted: 02/17/12

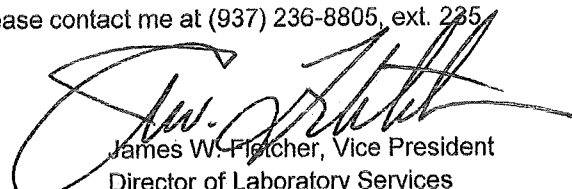
Specs: ASTM C 90
Unit: 8" Normal Weight Loadbearing Concrete Masonry Unit
4x4x16 Solid Founders Brick Normal Weight

Test Method: ASTM C 140

COMPRESSIVE STRENGTH					SPECIFICATIONS	
Specimen No.	5D	5E	5F	Average	Individual	Average
Length in Inches	15.53	15.52	15.52			
Width in Inches	3.62	3.62	3.62	3.62		
Height in Inches	3.69	3.63	3.66			
Gross Area, Sq. In.	56.2	56.2	56.2			
No. of Cells	0	0	0			
Total Load in lbs.	359,720	302,780	373,280			
Gross Unit Load, psi	6400	5390	6640	6140		
Gross Volume, Cu. Ft.	0.1201	0.1180	0.1190	0.1190		
Net Unit Load, psi	6420	5410	6670	6170	1700 Min.	1900 Min.
ABSORPTION					SPECIFICATIONS	
Specimen No.	5A	5B	5C	Average	Individual	Average
Wt. As Received, lbs.	16.50	15.95	16.00			
Suspended Wt., lbs.	9.50	9.25	9.35			
Wet Wt., lbs.	17.05	16.60	16.65			
Dry Wt., lbs.	16.20	15.70	15.75			
Absorption, lbs./Cu.Ft.	7.0	7.6	7.7	7.5	15 Max.	13 Max.
Absorption, % of Dry Wt.	5.2	5.7	5.7	5.6		
% Moisture, % Absorption	35.3	27.8	27.8			
Net Vol., Cu. Ft.	0.121	0.118	0.117	0.119		
Net Area, Sq. In.	56.7	56.1	55.2	56.0		
Dry Den, lbs./Cu.Ft.	133.9	133.3	134.6	133.9		
FIRE RATING						
12.5% Limestone Screening, 12.5% #9 Limestone, 75% Limestone Manufactured Sand						
Percent Solids:	99.6	%	Ohio Building Code (OBC) Table 721.3.2			
Equivalent Thickness:	3.6	inches	Fire Resistance Rating:	1 5/8 hr. (1.6 hr.)		
LINEAR SHRINKAGE						
Linear Shrinkage @ Equilibrium, %: Testing Not Requested - a complete ASTM C90 specification requires linear shrinkage						

Should you have any questions, or if we may be of further service, please contact me at (937) 236-8805, ext. 235.

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