

Project No.: **YORKX22001**

Report Date: **June 27, 2024**

Project Name: **York Building Lab Tests**

Date Received: **June 11, 2024**

Date of Compression Testing: **June 18, 2024**

Date of Absorption Testing: **June 18, 2024**

Testing Technician: **Mwhelan**

Laboratory Number: **208190**

Client: **York Building Products Company**
Address: **Sam Cooke**
325 Fulling Mill Rd.
Middletown, PA 17507

Unit Specification: **ASTM C1372**

Unit Designation and Description: **Segmental Retaining Wall Unit**
MESA SRW
Frederick Plant

Summary of Test Results

Physical Property	Specification Values	Average Test Results
Net Compressive Strength (min.)	3000	7810 <i>psi</i>
Density		137.0 <i>pcf</i>
Absorption (max.)	13	6.8 <i>pcf</i>

DIMENSIONAL MEASUREMENTS					
Specimen No.	Received Weight	Front Length	Back Length	Width	Height
	<i>lb.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>
1	91.6	17.6	9.6	12.2	8.6
2	94.5	18.0	9.5	12.3	8.4
3	94.7	17.8	9.8	12.7	8.5
4	88.0	17.5	9.7	12.3	8.3
5	93.0	17.7	9.6	12.5	8.3
6	92.3	17.8	9.6	12.3	8.3
Average	92.3	17.7	9.6	12.4	8.4

COMPRESSIVE STRENGTH						
Specimen No.	Dimensions			Cross-Sectional	Max. Load	Compressive Strength
	Length	Width	Height			
	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.²</i>	<i>lb</i>	<i>psi</i>
4	6.03	1.45	3.03	8.72	69738	7990
5	5.87	1.41	3.11	8.29	59876	7220
6	6.04	1.37	3.01	8.29	68336	8240
Average	5.98	1.41	3.05	8.44	65980	7810

ABSORPTION							
Specimen No.	Received Wt, W _R **	Immersed Wt, W _I	Saturated Wt, W _S	Oven-Dry Wt, W _D	Absorption		Density
	<i>lb</i>	<i>lb</i>	<i>lb</i>	<i>lb</i>	<i>pcf</i>	<i>%</i>	<i>pcf</i>
1	91.61	26.21	46.26	43.35	9.1	6.7	134.9
2	94.54	26.88	47.76	46.08	5.0	3.6	137.7
3	94.75	27.57	48.54	46.46	6.2	4.5	138.2
Average	93.63	26.89	47.52	45.29	6.8	4.9	137.0

**Received weight determined at the time of unit delivery to the job site or from units sampled at that time and delivered to the laboratory in sealed containers for moisture content determination.

Remarks:

This report shall not be reproduced, except in full, without prior written approval from Pennoni. The above results relate only to the items tested. Samples were obtained and delivered to the lab by the client.



Joseph Ridgway, PE
Laboratory Manager