

ASTM C140/C140M-20a Test Report
Sampling and Testing Concrete Masonry Units and Related Units

Job No.: 21-314-19
Report Date: 7/30/2021

Client: Best Block
Address: 2088 FM 949
Alleyton, TX 78935

Testing Agency: National Concrete Masonry Association
Research and Development Laboratory
Address: 13750 Sunrise Valley Drive
Herndon, VA 20171-4662

Sampling Party: Best Block

Unit Description: 8x8x16 in.
Mark: 'ID: HP Solid No. 19'

Date Samples Received: 6/3/2021

Note: Compression specimens have been saw cut from full-size units into coupons in order to comply with the specimen configuration requirements of ASTM C140/C140M-20a.

Summary of Test Results

<u>Physical Property</u>	<u>Tested Values</u>	
Net Compressive Strength	10730	psi
Gross Compressive Strength	10730	psi

Individual Unit Test Results

<u>Dimensions of Full-Size Units</u>	<u>Avg Width in.</u>	<u>Avg Height in.</u>	<u>Avg Length in.</u>
Unit #1	7.67	7.55	15.70
Unit #2	7.65	7.55	15.69
Date Tested 1/0/1900	Unit #3 7.65	7.57	15.73
	Average 7.66	7.56	15.70

Properties of Saw-Cut

<u>Compression Specimens</u>	<u>Received Wt, W_R</u> lb	<u>Avg Width</u> in.	<u>Avg Height</u> in.	<u>Avg Length</u> in.	<u>Cross-Sectional Area¹</u>		<u>Max. Load</u> lb	<u>Compressive Strength</u>	
					<u>Gross</u> in ²	<u>Net</u> in ²		<u>Gross</u> psi	<u>Net</u> psi
					Unit #1	5.51		1.99	4.03
Unit #2	5.45	2.00	4.02	8.10	16.17	16.17	175,820	10,870	10,870
Date Tested 6/24/2021	Unit #3 5.40	2.03	4.99	8.05	16.17	16.17	166,320	10,280	10,280
	Average 5.45	2.00	4.34	8.07	16.17	16.17	173,520	10,730	10,730

¹ Unit areas determined as the average width by length of the three saw-cut specimens.



Timothy Jones
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Jason J. Thompson
Vice President of Engineering