

April 26, 2018

US Mix  
112 South Santa Fe Drive  
Denver, Colorado 80223

Attention: Mr. Andrew Beaty

Subject: Amerimix Core Grout Test Results  
Mix 3, Prism vs Core Comparison  
Project No. CT16390.002

Dear Mr. Beaty:

This report presents results of compressive strength tests performed on Amerimix Core Grout materials cast at our laboratory on March 22, 2018.

Grout was placed into a cell formed by a masonry block pinwheel and also inside masonry blocks. After the initial curing, the grout was removed from the pinwheel and the block was cored to obtain compressive strength specimens for comparison. Specimens were cured and tested for compressive strength at ages 7 and 28-days. Complete test results are presented in Table 1 and Table 2 of this report.

Based on our test results, the Amerimix Core Grout meets the minimum strength requirements of ASTM C 476. If you have any questions regarding this report, please do not hesitate to call.

Respectfully submitted,

CTL | THOMPSON MATERIALS ENGINEERS, INC.

A handwritten signature in blue ink, appearing to read "Damon B. Thomas".

Damon B. Thomas, P.E.  
Materials Division Manager

DBT/dbt:clm

Enclosures  
1 copy sent  
1 copy emailed: [abeaty@usmix.com](mailto:abeaty@usmix.com)



**TABLE 1**  
**COMPRESSIVE STRENGTH TESTS OF GROUT PRISM SAMPLES**  
**ASTM C 1019, Standard Method of Sampling and Testing Grout**

Client: <u>US Mix</u>	Cast Date: <u>March 22, 2018</u>
Project: <u>Amerimix Core Grout</u>	1 Day Due Date: <u>March 23, 2018</u>
Project No. <u>CT16390.002</u>	3 Day Due Date: <u>March 25, 2018</u>
Set No. <u>Mix 1</u>	7 Day Due Date: <u>March 29, 2018</u>
Ticket No. <u>Flowable</u>	28 Day Due Date: <u>April 19, 2018</u>
Placement: <u>320lbs Amerimix Core Grout, 47.8lbs Water</u>	

**COMPRESSIVE STRENGTH TEST RESULTS**

Core ID	Break Date	Dimensions (in)	Load (lbs)	PSI
1	3/29/2018	4.14" x 4.10"	45930	2,710
2	3/29/2018	4.12" x 4.09"	47930	2,840
3	3/29/2018	4.23" x 4.31"	54890	3,010
<b>Average (7 Days)</b>				<b>2,850</b>
4	4/19/2018	4.11" x 4.03"	72985	4,410
5	4/19/2018	4.09" x 4.20"	74620	4,340
6	4/19/2018	4.16" x 4.05"	73110	4,340
<b>Average (28 Days)</b>				<b>4,360</b>

Required 28-Day Compressive Strength (psi): \_\_\_\_\_

Remarks: 10" slump, 70°F  
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