

January 4, 2018

US Mix
112 South Santa Fe Drive
Denver, Colorado 80223

Attention: Mr. Andrew Beaty

Subject: Amerimix Core Grout Test Results
Mix 2, Prism vs Core Comparison
Project No. CT16225.006

Dear Mr. Beaty:

This report presents results of compressive strength tests performed on Amerimix Core Grout materials cast at our laboratory on November 7, 2017.

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.



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

DBT/dbt:clm
Enclosures
1 copy sent
1 copy emailed: 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>November 7, 2017</u>
Project: <u>Amerimix Core Grout</u>	1 Day Due Date: <u>November 8, 2017</u>
Project No. <u>CT16225.006</u>	3 Day Due Date: <u>November 10, 2017</u>
Set No. <u>Mix 2</u>	7 Day Due Date: <u>November 14, 2017</u>
Ticket No. <u>Flowable</u>	28 Day Due Date: <u>December 5, 2017</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	11/14/2017	4.12 x 4.07 x 7.80	51405	3,070
2	11/14/2017	4.22 x 4.21 x 7.88	58285	2,720
3	11/14/2017	4.30 x 4.12 x 7.90	52370	2,960
Average (7 Days)				2,920
4	12/5/2017	4.06 x 4.25 x 7.88	79235	4,590
5	12/5/2017	4.06 x 4.05 x 7.81	80595	4,900
6	12/5/2017	4.19 x 4.05 x 7.82	84670	4,990
Average (28 Days)				4,830

Required 28-Day Compressive Strength (psi): _____

Remarks: 10 1/2" slump, 68°F
