



CONCRETE - SOLUTIONS

File No.: 9002
Final Report No.: C-0318/US

March 18, 2019

Client: **US MIX Co.**
112 South Santa Fe Drive
Denver, CO 80223
Attn: Andrew Beaty

Material: **AMX Mortar Type N**
Subject: **Physical Properties Testing**

Reference Specifications: ASTM C 1714: Standard Specification for Preblended Dry Mortar Mix for Unit Masonry
ASTM C 270: Standard Specification for Mortar for Unit Masonry
ASTM C 91: Standard Specification for Masonry Cement

Test Specifications: ASTM C 109: Standard Test Method for Compressive Strength of Hydraulic Cement Mortars
(Using 2-in. or [50-mm] Cube Specimens)
ASTM C 185: Standard Test Method for Air Content of Hydraulic Cement Mortar
ASTM C 1437: Test Method for Flow of Hydraulic Cement Mortar
ASTM C 1506: Test Method for Water Retention of Hydraulic Cement-Based Mortars and Plasters

Report of Test

Reported herein are test results made in C-Solutions Laboratory. All testing was performed in accordance with the specifications listed above and the procedures contained within those specifications requested by US MIX Co. Testing was performed in laboratory conditions of $73 \pm 3^\circ\text{F}$ and a relative humidity of $50 \pm 4\%$.

**Physical Properties - Table 1
AMX Mortar Type N**

<u>ASTM C 109</u>	<u>Test Result</u>	<u>Specification</u>	<u>Status</u>
<i>*Compressive Strength, PSI</i>			
7 day	<u>1750</u>	NA	NA
28 day	<u>2100</u>	750 psi	Pass
<i>*Average of three</i>			
<u>ASTM C 185</u>	<u>Test Result</u>		
Air Content, %	<u>7</u>	Max. 12%	Pass
<u>ASTM C 1437</u>	<u>Test Result</u>	<u>Specification</u>	<u>Status</u>
Flow, %	<u>108</u>	110 +/- 5%	Pass
<u>ASTM C 1506</u>	<u>Test Result</u>	<u>Specification</u>	<u>Status</u>
Water Retention, %	<u>87.4</u>	Min. 75%	Pass

Summary of test results:

This test report concludes AMX Mortar Type N comply with the requirements of ASTM C-270 Table 2 - Property Specification Requirements.

If you have any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us directly.

Concrete Solutions, LLC



Walter Vizcaino
Senior Chemist