NELSON TESTING LABORATORIES®

EXPERIENCED | INNOVATIVE | AUTHENTIC

ASTM C270/ASTM C1714
Masonry Mortar Evaluation

for

Oldcastle APG West – US MIX Co.

AMX 400 N

Oldcastle APG West – US MIX Co.
112 South Santa Fe Drive
Denver, CO 80223

April 26, 2024

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Oldcastle APG West – US MIX Co.
112 South Santa Fe Drive
Denver, CO 80223

REPORT OF TESTS

SUBJECT:	**Physical Analysis of Masonry Mortar**
PROJECT:	**US MIX Co. – AMX 400 N**
NTL PROJECT #:	24-1103(A)
MATERIAL:	Received by NTL from US MIX Co. on March 13, 2024
PAGE:	1 of 3
SPECIFICATIONS:	ASTM C91-23, "Specification for Masonry Cement"
	ASTM C270-19, "Specification for Masonry Mortar"
	ASTM C1714-23, "Standard Specification for Preblended Dry Mortar Mix for Unit Masonry"
TEST METHODS:	ASTM C109, "Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)"
	ASTM C305, "Standard Practice for Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency"
	ASTM C1437, "Standard Test Method for Flow of Hydraulic Cement Mortar"
	ASTM C1506, "Standard Test Method for Water Retention of Hydraulic Cement-Based Mortars and Plasters"

TEST DATA

Test Material:	US MIX Co. – AMX 400 N
Batch Date:	March 2024

TEST RESULTS

ASTM C270 – Masonry Mortar Analysis

Batch Date: March 2024
Water Added: 19.3%

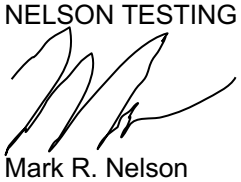
	AMX 400 N	*ASTM C270-19 Cement-Lime – Type N*
ASTM C91 - Air Entrainment	**1.7%**	*14%, max.*
ASTM C1506 - Water Retention	**88.7%**	*75%, min.*
Initial Flow 106% / Final Flow 94%		
ASTM C109 - Compressive Strength		
Average of three 2-in cubes		
7 days	**1,500 psi**	----
28 days	**1,670 psi**	*750 psi, min.*

SUMMARY

The test results listed in this report have met or exceeded the requirements as set forth in ASTM C270-19, Table 2 – Property Specification Requirements.

Respectfully submitted,

NELSON TESTING LABORATORIES



Mark R. Nelson
President

Notes: The results listed within this report relate only to the materials submitted for testing. This report shall not be reproduced, except in full, without written approval of this laboratory. The test materials not consumed in this testing will be discarded 14 days from the date of this report unless we receive written notification requesting otherwise. When applicable, Nelson Testing Laboratories uses the simple acceptance/simple rejection decision rule to determine in-tolerance and out-of-tolerance conditions and no measurement uncertainty was applied in that determination.

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