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**ASTM C387  
Packaged Mortar Evaluation**

**POLYCON Sand Mix**

**POLYCON, LLC  
350 Industrial Drive South  
Madison, MS 39110  
P.O. Box 4567  
Jackson, MS 39296-4567**

**December 16, 2017**

December 16, 2017  
Polycon, LLC  
350 Industrial Drive South  
Madison, MS 39110

SUBJECT:REPORT OF TESTSPROJECT:**Physical Analysis of Packaged Mortar**SPECIFICATION:**Polycon – E-Krete Sand Mix**TEST METHODS:

ASTM C387-11b, "Standard Specification for Packaged, Dry, Combined Materials for Concrete and High Strength Mortar."

ASTM C109, "Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)"

ASTM C185, "Standard Test Method for Air Content of Hydraulic Cement Mortar"

ASTM C231, "Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method"

NTL PROJECT #:

ASTM C1437, "Standard Test Method for Flow of Hydraulic Cement

MATERIAL:

Mortar" 15-1311(C)

PAGE:

Shipped to NTL on October 22, 2017

1 of 2

## Test Material:

TEST DATA

## Plant Location:

Polycon - Sand-Mix

## Batch Date:

Madison, MS USA

## Sample Size:

November 17, 2017

80 lbs.

December 16, 2017  
Polycon, LLC – Polycon Sand Mix NTL  
Project #15-1311(C)  
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### TEST RESULTS

#### ASTM C387 – Packaged Mortar Analysis

Batch Date: November 17, 2017  
Water Added: 15.0%

	<u>Polycon Sand-Mix</u>	<u>ASTM C 387-11b High-Strength Mortar</u>
<u>ASTM C185 - Density</u>	<b>126.2 lbs/ft<sup>3</sup></b>	----
<u>ASTM C231 - Air</u>	<b>8.5%</b>	----
<u>ASTM C1437 - Flow</u>	<b>108%</b>	110 +/- 5%

#### ASTM C109 - Compressive Strength

Average of three 2-in cubes

7 days	<b>3,880 psi</b>	3,000 psi, min.
28 days	<b>5,670 psi</b>	5,000 psi, min.

### SUMMARY

*The test results listed in this report have met or exceeded the requirements for high-strength mortar as set forth in ASTM C387-13b, Table 1 – Physical Requirements.*

Respectfully submitted,

NELSON TESTING LABORATORIES



Mark R. Nelson  
President

*Nelson Testing Laboratories is accredited by AASHTO and CCRL under ASTM C1077.*