TEC Services
Testing • Engineering • Consulting

January 18, 2019

Uzin Utz North America, Inc.

Subject: **Report of Results for Product Testing**
Project Name: UZIN NC 172 BiTurbo
TEC Services Project No: TEC 18-1478
TEC Laboratory No: 18-1099-172

Testing, Engineering and Consulting Services, Inc. (TEC Services) is an AASTHO R18, ANS/ISO/IEC 17025:2005 and Army Corp of Engineers accredited laboratory. Presented below is a TEC Services verified summary of test report dated November 19, 2018 on the product designated as "UZIN NC 172 BiTurbo".

The UZIN NC 172 BiTurbo self-leveling underlayment was ordered and randomly selected at a flooring supply company of our choice, and delivered to our Lawrenceville, GA facility in October of 2018. TEC Services prepared the UZIN NC 172 BiTurbo sample following the UZIN recommended mid-range water to material ratio, mixing and curing procedures. Testing was performed in accordance to ASTM C1708-16 *Standard Test Method for Self-leveling Mortars Containing Hydraulic Cements* using the following test methods. The summary of test results presented only pertain to the samples tested.

ASTM C1708/C1708M - 16 test method	NC 172 BiTurbo
Initial Flow	Exceeds 6.5 in (16.5 cm)
Flow Retention at 20 Min	Exceeds 6 in (15.2 cm)
Viscosity by Flow Cup Time	Up to 30 s
Healing Time	At least 15 min
Final Set	Less than 1.5 hours
1 Day Compressive Strength	Exceeds 4500 psi
7 Day Compressive Strength	Exceeds 6500 psi
28 Day Compressive Strength	Exceeds 8000 psi
1 Day Flexural Strength	Exceeds 850 psi
28 Day Flexural Strength	Exceeds 1800 psi
Length change (Shrinkage at 28 Days, %)	Less than 0.10%

Testing, Engineering and Consulting Services, Inc. appreciates the opportunity to provide our professional services for this project. If you have any questions regarding this report, or if we can be of further assistance please contact us at 770-995-8000.

Sincerely,
Testing, Engineering & Consulting Services, Inc.

Dean T. Roosa
Project Manager

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Laboratory Principal