



December 4, 2023

The Tile Shop
Attn: Wayne Druckenmiller
8515 Brown Street
Ottawa Lake, Michigan 49267

Dear Wayne Druckenmiller,

International Performance Assurance Laboratories has tested the samples you submitted. Test report IPAL-0695-23 is enclosed. If you have any questions or concerns, please contact us.

Best Regards,

INTERNATIONAL PERFORMANCE ASSURANCE LABORATORIES,

A handwritten signature in black ink, appearing to read 'D. J. M. McDowell', is positioned above the typed name.

Damon McDowell
Laboratory Supervisor
Enclosures



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TEST REQUESTED BY: The Tile shop

TEST METHOD: ANSI A118.7 Specification for High Performance Cement Grouts for Tile Installation

This specification describes the test methods and minimum requirements for high performance cementitious grouts.

TEST SUBJECT MATERIAL: Identified by client as: “Pro-Grout Excel”

TEST DATE: 10/31/2023 – 11/28/2023

TEST PROCEDURE NOTES:

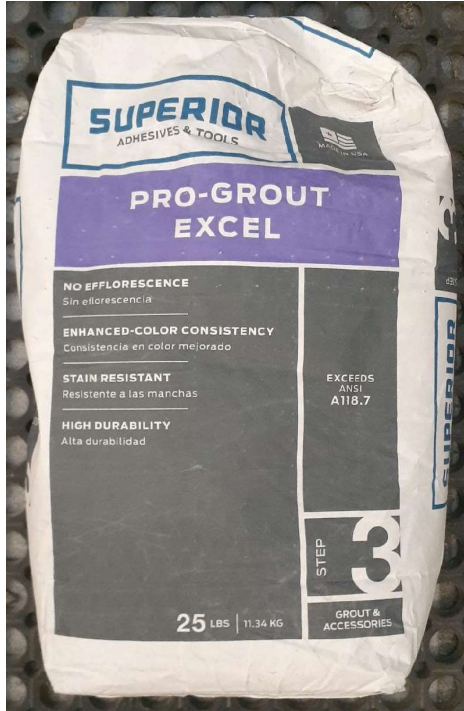
- Sample prep: The grout was mixed at a liquid to powder ratio of 19.82:100 parts by weight per the client’s instruction.
- All samples were set up and cured according to ANSI A118.7.

TEST RESULTS:

Test Designation	Test Description	Evaluation	ANSI Specification	
			Sanded	Unsanded
3.3	Linear Shrinkage 27-Day	0.19%	< 0.20%	< 0.30%
3.4	Water Absorption 50% R.H. to Immersion	2.4%	< 5%	< 5%
3.5	Compressive Strength 1-Day 28-day	2076 psi 4972 psi	500 psi min. 3000 psi min.	500 psi min. 3000 psi min.
3.6	Tensile Strength 28-Day	539 psi	500 psi min.	500 psi min.
3.7	Flexural Strength 28-day	1198 psi	1000 psi min.	1000 psi min.

COMMENTS: None



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12/4/2023

Damon McDowell
Laboratory Supervisor

