



December 7, 2023

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

Dear Wayne Druckenmiller,

International Performance Assurance Laboratories has tested the samples you submitted. Test report IPAL-0504-23 is enclosed. If you have any questions or concerns, please contact us.

Best Regards,

INTERNATIONAL PERFORMANCE ASSURANCE LABORATORIES,

Damon McDowell
Laboratory Supervisor
Enclosures



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TEST REQUESTED BY: The Tile Shop

TEST METHOD: ANSI A118.11 Specifications for EGP (Exterior Glue Plywood) Modified Dry-set Mortar

This specification describes test methods and minimum requirements for EGP (Exterior Glue Plywood) modified dry-set mortars. The specification includes all the test methods and minimum requirements set forth by ANSI A118.4 with the exception of the four-week freeze/thaw shear strength tests. See ANSI A118.11 and A118.4 for full method descriptions.

TEST SUBJECT MATERIAL: Identified by client as: “Pro-Flex Platinum”

TEST DATE: 9/7/2023 – 11/30/2023

TEST PROCEDURE NOTES:

- Sample prep: The mortar was mixed at a water to powder ratio of 23:100 parts by weight per the client’s instruction.
- All samples were set up and cured according to ANSI A118.11 and A118.4.

TEST RESULTS:

Test Designation	Test Description	Evaluation	ANSI Specification
A118.4 5.3	Open Time 20 min at 28 days Extended Open Time (optional) 30 min at 28 days	75 PSI 44 PSI	≥ 75 psi (0.5MPa) ≥75 psi (0.5MPa)
A118.4 6.0	Sag (optional - non-sagging mortars only)	0.01 in	≤ 0.02 in. (0.5mm)
Glazed Wall Tile Shear Bonds			
A118.4 7.1.2	7-day shears	499 PSI	> 300 PSI (2.07 MPa)
A118.4 7.1.3	7-day water immersion shears	326 PSI	> 200 PSI (1.38 MPa)
Porcelain Mosaic Shear Bonds			
A118.4 7.2.2	1-day shears	258 PSI	> 75 PSI (0.5 MPa)
A118.4 7.2.3	7-day shears	408 PSI	> 200 PSI (1.38 MPa)
A118.4 7.2.4	7-day water immersion shears	283 PSI	> 150 PSI (1.03 MPa)
A118.4 7.2.5	28-day shears	371 PSI	> 200 PSI (1.38 MPa)
A118.4 7.2.7	12-week shears	361 PSI	> 200 PSI (1.38 MPa)
Quarry Tile Shear Bonds			
A118.4 7.3.2	28-day shears	251 PSI	> 150 PSI (1.03 MPa)
Quarry to Plywood Shear Bonds			
A118.11 4.1.1	7-day shear strength	165 PSI	> 100 PSI (0.69 MPa)
A118.11 4.1.2	4-week shear strength	183 PSI	> 150 PSI (1.03 MPa)
A118.11 4.1.3	12-week shear strength	188 PSI	> 150 PSI (1.03 MPa)

Comments:





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IMAGE OF PRODUCT TESTED:





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12/7/2023

Damon McDowell
Laboratory Supervisor

