



CERTIFICATE OF ACCREDITATION

This is to attest that

TILE COUNCIL OF NORTH AMERICA PRODUCT PERFORMANCE TESTING LABORATORY

100 CLEMSON RESEARCH BOULEVARD
ANDERSON, SOUTH CAROLINA 29625, U.S.A.

Testing Laboratory TL-720

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date February 21, 2022



A handwritten signature in black ink that reads "Raj Nathan".

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

TILE COUNCIL OF NORTH AMERICA PRODUCT PERFORMANCE TESTING LABORATORY

www.tcnatile.com

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Accredited to ISO/IEC 17025:2017

Effective Date February 21, 2022

Physical	
ANSI A118.1	American national standard specifications for dry-set cement mortar
ANSI A118.3	American national standard specifications for chemical resistant, water cleanable tile-setting and -grouting epoxy and water cleanable tile-setting epoxy adhesive
ANSI A118.4	American national standard specifications for modified dry-set cement mortar
ANSI A118.6	American national standard specifications for standard cement grouts for tile installation
ANSI A118.7	American national standard specifications for high performance cement grouts for tile installation
ANSI A118.9	American national standard specifications for test methods and specification for cementitious backer units. (all tests except section 4.6)
ANSI A118.10	American national standard specifications for load bearing, bonded, waterproof membranes for thin-set ceramic tile and dimension stone installation
ANSI A118.11	American national standard specifications for EGP (exterior glue plywood) latex-Portland cement mortar
ANSI A118.12	American national standard specifications for crack isolation membranes for thin-set ceramic tile and dimension stone installation
ANSI A118.13	American national standard specification for bonded sound reduction membranes for thin-set ceramic tile installation (excluding section 5.3)
ANSI A118.15	American national standard specifications for improved modified dry-set cement mortar
ANSI A136.1	American national standard specifications for organic adhesives for installation of ceramic tile
ANSI A137.1	American National Standard Specifications for Ceramic Tile (section 9.6)
ANSI A137.2	American national standard specifications for glass tile (sections 7.6, 7.7, 7.8, and 7.9)
ANSI A326.3	American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials

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ASTM C97	Standard test methods for absorption and bulk specific gravity of dimension stone
ASTM C99	Standard test method for modulus of rupture of dimension stone
ASTM C370	Standard test method for moisture expansion of fired whiteware products
ASTM C373	Standard test methods for determination of water absorption and associated properties by vacuum method for pressed ceramic tiles and glass tiles and boil method for extruded ceramic tiles and non-tile fired ceramic whiteware products
ASTM C424	Standard test method for crazing resistance of fired glazed whitewares by autoclave treatment
ASTM C482	Standard test method for bond strength of ceramic tile to Portland cement paste
ASTM C484	Standard test method for thermal shock resistance of glazed ceramic tile
ASTM C485	Standard test method for measuring warpage of ceramic tile
ASTM C499	Standard test method for facial dimensions and thickness of flat, rectangular ceramic wall and floor tile
ASTM C502	Standard test method for wedging of flat, rectangular ceramic wall and floor tile
ASTM C609	Standard test method for measurement of light reflectance value and small color differences between pieces of ceramic tile
ASTM C627	Standard test method for evaluating ceramic floor tile installation systems using the Robinson-type floor tester
ASTM C648	Standard test method for breaking strength of ceramic tile
ASTM C650	Standard test method for resistance of ceramic tile to chemical substances
ASTM C880	Standard test method for flexural strength of dimension stone
ASTM C1026	Standard test method for measuring the resistance of ceramic and glass tile to freeze-thaw cycling
ASTM C1028	Standard test method for determining the static coefficient of friction of ceramic tile and other like surfaces by the horizontal dynamometer pull-meter method
ASTM C1353	Standard test method for abrasion resistance of dimension stone subjected to foot traffic using a rotary platform abraser
ASTM C1378	Standard test method for determination of resistance to staining
ASTM E96	Standard Test Methods for Water Vapor Transmission of Materials (Method A and Method E)
ASTM E3031	Standard Practice for Determination of Antibacterial Activity on Ceramic Surfaces
ASTM G21	Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
DIN EN 16165	Determination of slip resistance of pedestrian surfaces – Methods of Evaluation – Annex B Shod ramp test

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ISO 10545-2	Ceramic tiles -- part 2: determination of dimensions and surface quality
ISO 10545-3	Ceramic tiles -- part 3: determination of water absorption, apparent porosity, apparent relative density and bulk density
ISO 10545-4	Ceramic tiles -- part 4: determination of modulus of rupture and breaking strength
ISO 10545-6	Ceramic tiles -- part 6: determination of resistance to deep abrasion for unglazed tiles
ISO 10545-9	Ceramic tiles -- part 9: determination of resistance to thermal shock
ISO 10545-10	Ceramic tiles -- part 10: determination of moisture expansion
ISO 10545-11	Ceramic tiles -- part 11: determination of crazing resistance for glazed tiles
ISO 10545-13	Ceramic tiles -- part 13: determination of chemical resistance
ISO 10545-14	Ceramic tiles -- part 14: determination of resistance to stains
ISO 13007-2	Ceramic tiles -- grouts and adhesives -- part 2: test methods for adhesives
ISO 13007-4	Ceramic tiles -- grouts and adhesives -- part 4: test methods for grouts
ISO 13125	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for antifungal activity of semiconducting photocatalytic materials.
ISO 17721-1	Quantitative determination of antibacterial activity of ceramic tile surfaces — Test methods — Part 1: Ceramic tile surfaces with incorporated antibacterial agents.
ISO 17721-2	Quantitative determination of antibacterial activity of ceramic tile surfaces — Test methods — Part 2: Ceramic tile surfaces with incorporated photocatalytic antibacterial agents
ISO 18071	Fine ceramics (advanced ceramics, advanced technical ceramics) — Determination of antiviral activity of semiconducting photocatalytic materials under indoor lighting environment — Test method using bacteriophage Q-beta.
ISO 18184	Textiles — Determination of antiviral activity of textile products.
ISO 20743	Textiles — Determination of antibacterial activity of textile products.
ISO 21702	Measurement of antiviral activity on plastics and other non-porous surfaces.
ISO 22196	Measurement of antibacterial activity on plastics and other non-porous surfaces.
ISO 27447	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for antibacterial activity of semiconducting photocatalytic materials.