

IPA

International Product Assurance
LABORATORIES

Testing Checklist

ANSI A137.1

Specification for
Ceramic Tile



International Product Assurance Laboratories offers the full scope of testing to meet the requirements specified in A137.1:

✓ Mosaic Tile (Table 6), Quarry Tile (Table 7), Pressed Floor Tile (Table 8), Porcelain Tile (Table 10)

- ASTM C499, C485, C502 Facial and thickness dimensions, warpage, and wedging
- ASTM C1027 Visible Abrasion Resistance (glazed tile only)
- ASTM C1243 Deep Abrasion
- ASTM C482 Bond Strength
- ASTM C373 Water Absorption
- ASTM C609 Color Uniformity (VO tiles only)
- ASTM C424 Craze Resistance (glazed tile only)
- ASTM C484 Thermal Shock Resistance (glazed tile only)
- ASTM C650 Chemical Resistance
- ANSI A326.3 DCOF (tiles intended for floor application)
- ASTM C1378 Stain Resistance
- ASTM C648 Breaking Strength
- ASTM C1026 Resistance to Freeze/Thaw Cycling (tiles intended for freeze/thaw conditions)

✓ Glazed Wall Tile (Table 9)

- ASTM C499, C485, C502 Facial and thickness dimensions, warpage, and wedging
- ASTM C482 Bond Strength
- ASTM C373 Water Absorption
- ASTM C609 Color Uniformity (VO tiles only)
- ASTM C424 Craze Resistance (glazed tile only)
- ASTM C484 Thermal Shock Resistance (glazed tile only)
- ASTM C650 Chemical Resistance
- ASTM C1378 Stain Resistance
- ASTM C648 Breaking Strength
- ASTM C1026 Resistance to Freeze/Thaw Cycling (tiles intended for freeze/thaw conditions)

✓ Additional considerations

- Additional testing may be needed for characterizing the slip resistance of the tile surface, such as German ramp testing to DIN 51130.
- ISO methods available for compliance with international specifications.
- Place a testing order at www.TCNAtile.com or contact us to discuss your custom testing needs.

testing@IPALaboratories.com

855-IPA-LABS



Microbiological testing also available
Tests to determine the antimicrobial
and antiviral capabilities
of a surface.