TESTING CHECKLIST

ANSI A137.3 GAUGED PORCELAIN TILE & TILE PANELS/SLABS

International Product Assurance Laboratories offers the full scope of testing to meet the requirements specified in A137.3:

International Product Assurance LABORATORIES

MICROBIOLOGICAL TESTING ALSO AVAILABLE

Tests to determine the antimicrobial & antiviral capabilities of a surface.

/ TABLE 4

GAUGED PORCELAIN 5.0 – 6.5 MM THICK

- ASTM C499, C502 Facial and thickness dimensions and wedging
- ASTM C1505 Breaking Strength/Modulus of Rupture
- ASTM C627 Robinson Floor Test
- ANSI A137.3, Section 8.5 Dry Bond Strength
- ANSI A137.3, Section 8.5 Wet Bond Strength *(Back-layered only)*
- ASTM C373 Water Absorption
- ANSI A137.3, Section 5.3.1.2.2 Back-Layer Saturation *(Back-layered only)*
- ASTM C1378 Stain Resistance
- ASTM C650 Chemical Resistance
- ANSI A326.3 DCOF *(Tiles intended for floor applications)*
- ASTM C609 Color Uniformity *(V0 tiles only)*
- ASTM C424 Crazing Resistance *(Glazed tile only)*
- ASTM C484 Thermal Shock Resistance
- ASTM C372 Thermal Expansion *(Tile panels/slabs only)*
- ASTM C1026 Resistance to Freeze/Thaw Cycling *(Tiles intended for freeze/thaw conditions)*
- ASTM C1243 Abrasion Resistance

/ TABLE 5

GAUGED PORCELAIN 3.5 – 4.9 MM THICK

- ASTM C499, C502 Facial and thickness dimensions and wedging
- ASTM C1505 Breaking Strength/Modulus of Rupture
- ANSI A137.3, Section 8.5 Dry Bond Strength
- ANSI A137.3, Section 8.5 Wet Bond Strength
- ASTM C373 Water Absorption
- ANSI A137.3, Section 5.3.1.2.2 Back-Layer Saturation *(Back-layered only)*
- ASTM C1378 Stain Resistance
- ASTM C650 Chemical Resistance
- ASTM C609 Color Uniformity *(V0 tiles only)*
- ASTM C424 Crazing Resistance *(Glazed tile only)*
- ASTM C484 Thermal Shock Resistance
- ASTM C372 Thermal Expansion *(Tile panels/slabs only)*
- 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 16165 *(formerly DIN 51130)*.

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