



2CM Paver Testing

Sampling Requirements and Typical Turnaround

TEST METHOD	SAMPLING REQUIREMENTS	TYPICAL TURNAROUND
ASTM C372 Linear Thermal Expansion (Air)	1 whole specimen (Any size)	3 weeks
ASTM C372 Linear Thermal Expansion (Cryogenic)	1 whole specimen (Any size)	3 weeks
ASTM C373 Water Absorption	5 whole specimens	3 weeks
ASTM C373 Water Absorption (with Back-Layered Gauged Porcelain)	5 whole specimens	3 weeks
ASTM C424 Craze Resistance	10 specimens, 4" x 4"	3 weeks
ANSI A137.3 - Section 5.3.11 Compressive Strength	2 whole specimens or 5 cube specimens sampled from at least 2 pieces, cut to have equal length, width, and thickness.	3 weeks
ANSI A137.3 - Section 8.5 Bond Strength (Dry only)	4 specimens, 4" x 4" The client must provide the thin-set, specify cure time needed and provide installation instructions for the set-up.	6 weeks
ANSI A137.3 - Section 8.5 Bond Strength (Dry and Wet) (for Back-Layered Gauged Porcelain)	8 specimens, 4" x 4" The client must provide the thin-set, specify cure time needed and provide installation instructions for the set-up.	6 weeks
ANSI A137.3 - Section 8.6 Soft Body Impact - Sand Bed	3 whole specimens	3 weeks
ANSI A137.3 - Section 8.6 Soft Body Impact - Pedestals	3 whole specimens and pedestals required	3 weeks
ANSI A137.3 - Section 8.7 Hard Body Impact - Sand Bed	3 whole specimens	3 weeks
ANSI A137.3 - Section 8.7 Hard Body Impact - Pedestals	3 whole specimens and pedestals required	3 weeks
ASTM C484 Thermal Shock Resistance	5 specimens, 12" x 12"	3 weeks
ASTM C485, C499, C502 Warpage, Dimensions & Wedging	10 whole specimens	3 weeks
ASTM C609 Light Reflectance and Color Difference	5 specimens, 4" x 4"	3 weeks
ASTM C1505 Modulus of Rupture	10 whole specimens	3 weeks
ASTM C650 Chemical Resistance	15 specimens, 2" x 2" (samples can be cut from a single piece)	3 weeks



ASTM C1026 Freeze/Thaw	5 specimens, 3" x 3" Specimens to be cut from the center of 5 separate pieces.	4 months
ASTM C1243 Deep Abrasion	5 specimens, 4" x 4"	3 weeks
ASTM C1378 Stain Resistance	6 specimens, 4" x 4"	3 weeks
ASTM E1980 Solar Reflectance Index (SRI)	1 specimen, 4" x 4" or larger	3 weeks
ANSI A326.3 Dynamic Coefficient of Friction (Wet Only)	3 specimens, 10" x 10" or larger	3 weeks
ANSI A326.3 Dynamic Coefficient of Friction (Dry Only)	3 specimens, 10" x 10" or larger	3 weeks
ANSI A326.3 Dynamic Coefficient of Friction (Wet + Dry)	3 specimens, 10" x 10" or larger	3 weeks
DIN 16165 German Ramp	6 sq. ft. of material If applicable, the client must provide the provide installation instructions for the set-up and the grout needed, along with the trowel size.	3 weeks