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Performance Specifications

All Venetian Style Flooring has the following general physical properties which may vary slightly according to tile pattern, abbreviations for testing agencies and testing specifications met by these products are United States Military and American Society for Testing and Materials:

Wear Warranty

▶ 20 years

Thickness

▶ 1/8", 3/16" & 1/4"

Size

▶ 11.92" x 11.92"

Abrasive Wear

▶ ASTM F510-93, resistance to abrasion (1000 gram load at 500 cycles). Volume loss/cm³ : 0.0196

Hardness

▶ ASTM-D 1706-61: "D" hardness, 78. Marble barcol hardness, 55-100, depending on pattern type.

Coefficient of Friction

▶ Slip resistance, ASTM-D-2047: 0.70 - 0.74 average.

Thermal Expansion

▶ ASTM D696-91, Coefficient of linear thermal expansion between - 30C and 30C, 1.3x10 (-5)

Compressive Strength

▶ ASTM-C109/D695, approx. 2,900 to 5,000 psi.

Electrical Characteristics

▶ non-conductive

Flame-Resistant Properties

▶ ASTM - 648 - Critical Radiant Flux, 0.93 watts/cm - Class 1, ASTM-E-662-97, Smoke generated, NBS smoke density (smoldering 231.76, flaming 292.05) average DMC, ASTM-E-84-98

Flame Spread

▶ 15. Compliance with article 15, Part 1120, State of New York fire Building Code - DOS File#09660-30507-4002.

Chemical Resistance

▶ ASTM F925-97, resistance to chemicals, no change on surface attack, color change or swelling.

Oil Resistance

▶ Passes MIL-D-3134F

Corrosion Resistance

▶ Passes MIL-D-3134F

Static Load Limit

▶ ASTM F970-93 load at 125 lbs., indentation, in. .0007"

Squareness

▶ ASTM F540-90, squareness of resilient tile by dial gage method, .003".

Distribution

▶ Venetian Style Flooring is available through The Mat King™ at 1-800-442-6544. An actual sample of this tile is available through The Mat King™.