

## PHYSICAL CONSTRUCTION

Construction	Slip Retardant Luxury Vinyl Tile
Wear Layer	Quantum Guard HP Urethane Aluminum Oxide Topcoat Cured by UV Process
Size	18" x 18" – (457.2 mm x 457.2 mm)
Overall Thickness	.125 (3.2 mm)
Wearlayer Thickness	.020 (0.51 mm)
Pieces Per Carton	16
Coverage Per Carton	36 sq ft (3.34 sq m)
Weight Per Piece	2.4 lbs. (1.1 Kg)
Weight Per Carton	38.4 lbs. (17.6 kg.)
Cartons Per Pallet	44
Static Load Limit	750 psi

## TESTING

ASTM Specification (ASTM 1700)	Class 3, Type B
Heat Stability (ASTM F-1514)	Passes
Stain & Chemical Stability (ASTM F-925)	Passes
HUD/FHA Requirements	Exceeds
Static Coefficient of Friction	Exceeds ADA Guidelines
Coefficient of Friction, DIN 51130	R10
Flooring Radiant Panel Test (ASTM-E-648)	≥ .45 watts/cm², Passes (Class I)
N.B.S. Smoke Chamber Test (ASTM-E-662)	<450 – Passes
Electrical Resistance, EN1815	≤ 2 kv
Fire Behavior, ISO 13501	Class B s1
FloorScore Indoor Air Quality	SCS Certified

## WARRANTIES

Warranty	Limited 10 Year Commercial Warranty Limited 10 Year Quantum Guard HP Finish Warranty
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## INSTALLATION

Installation Adhesive, Porous Subfloor	V-82 / Full Spread *
Installation Adhesive, Porous and Non-Porous Substrates	Mannington V-88 / Transitional Pressure Sensitive / Full Spread **
Installation Adhesive, Non-Porous Subfloor	V-95 / Full Spread * (Must use V-95 under OR tables, hospital beds and heavy rolling loads)

- Quantum Guard HP is a low maintenance floor providing superior appearance retention, cleanability, durability and slip retardance. Quantum Guard HP can eliminate the need for polish over an extended period of time depending upon the amount of commercial traffic.
- Mannington Assurance Squared with Quantum Guard HP is suitable for ramps. The Quantum Guard HP finish provides an enhanced level of traction and protection against slip compared to standard resilient floors.
- Mannington Assurance II is not recommended in commercial areas that require static dissipation.
- Mannington Assurance II is not recommended in commercial areas where the surface temperature over radiant heated substrate exceeds 90° F.
- \*Verify substrate (concrete) is dry per ASTM F-1869 3 lbs. maximum MVTR or ASTM F-2170 75% maximum relative humidity.
- \*\*Verify substrate (concrete) is dry per ASTM F-1869 8 lbs. maximum MVTR or ASTM F-2170 90% maximum relative humidity.
- Dirt, wetness, finish selection and maintenance schedule may cause significant variation in actual performance.
- Specifications are based on averages from normal manufacturing tolerances. Such variations do not affect product performance.
- This product is intended solely for use as an indoor floor covering and is not recommended or sold for any other purpose.
- Use entryway systems outside each entrance to prevent dirt, sand, grit and other substances from being tracked onto floor.