

PHYSICAL CONSTRUCTION

Construction	Heterogeneous Sheet Flooring (Non-Phthalate Construction)
Wear Layer	Quantum Guard HP Urethane Aluminum Oxide Topcoat Cured by UV Process
Size	6', 9', 12' (1.83 m / 2.75 m / 3.66 m)
Wearlayer Thickness	.020 inches (.51 mm)
Overall Thickness	.080 inches (2.03 mm)
Weight Per Square Yard	4.70 lbs. / yd ² (2.55 kg/m ²)
Maximum Square Yard Per Roll	6' – 50 yd ² (41.8 m ²) 9' – 75 yd ² (62.7 m ²) 12' – 100 yd ² (83.6 m ²)
Minimum Square Yard Per Roll	6' - 30 yd ² (25.0 m ²) 9' - 30 yd ² (25.0 m ²) 12' - 30 yd ² (25.0 m ²)
Static Load Limit	750 psi

ENVIRONMENTAL

3rd Party Certified Industry-wide Type III EPD
 FloorScore Indoor Air Quality - CDPH Standard Method v1.1-2010
 Manufacture Location: Salem, NJ USA
 ISO 14001 Registered Manufacturing Facility

TESTING

ASTM Specification (F-1303)	Type 1, Grade 1, Class B
HUD / FHA Requirements	Exceeds
Electrical Resistance, EN1815	≤ 2 kv
Flooring Radiant Panel Test (ASTM-E-648)	≥ .45 watts/cm ² , Passes (Class I)
N.B.S. Smoke Chamber Test (ASTM_E662)	< 450 Passes
Static Coefficient of Friction	Meets ADA Guidelines

WARRANTIES

Limited 10 Year Commercial Warranty / Limited 10 Year Quantum Guard HP Finish Warranty

INSTALLATION

Installation Adhesive, Porous Substrates	Mannington V-82 / Full Spread *
Installation Adhesive, Porous and Non-porous Substrates	Mannington V-88 /Transitional Pressure Sensitive/ Full Spread**
Installation Adhesive, Non-Porous Substrates	Mannington V-95 / Full Spread * (Must use V-95 under hospital beds and heavy rolling loads)
Installation In Areas With Topical Moisture	V-95 Adhesive must be used, seams must be properly sealed, and perimeter / edges must be protected or covered up the wall
Spray Adhesive	XpressStep for Sheet Vinyl**
Chemical Seam Sealer	MLG 33
Heat Weld Seaming	Mannington Commercial Solid Color Weld Rods

- 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.
- While not rated for ramps the Quantum Guard HP finish provides an enhanced level of traction and protection against slip compared to standard resilient floors.
- Realities is not recommended in commercial areas that require static dissipation.
- Realities is not recommended in commercial areas where the surface temperature over radiant heated substrate exceeds 85° F.
- 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.
 *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.