



Mannington Assurance II

Mannington[®]
COMMERCIAL



Cover: Assurance II - Taupe 16309

Above: Assurance II - Taupe 16309, Basalt 16331, Coffee 16327



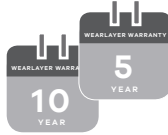
Assurance II - Cayenne 16329, Deep Blue 16330, Horizon Blue 16323

Resilient Sheet with Quantum Guard® HP

Quantum Guard® HP:

Patented Performance

- Highest performance commercial urethane finish in the industry
- No polish
- Enhances durability, cleanability, appearance, and slip retardance when compared to standard resilient floors
- Significant reduction in overall lifecycle cost greatly lowers total cost of ownership



* Warranty may vary by product type

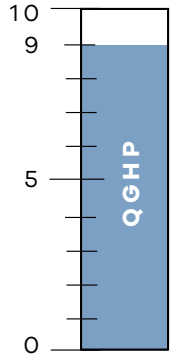
Mohs Hardness Scale

10 = Natural diamond

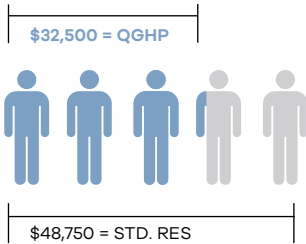
9 = QGHP

7 = Quartz

2 = Urethane without aluminum oxide



Regular Maintenance Annual Total

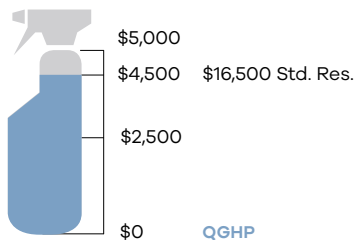


39%

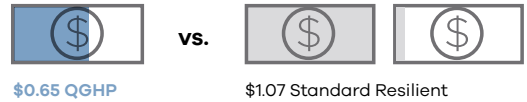
ANNUAL MAINTENANCE SAVINGS PER SQ. FOOT

Restorative Maintenance Annual Total

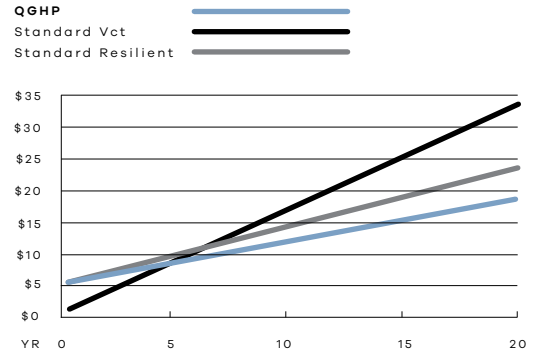
Annual Total



Total Annual Cost per Sq. Ft.



Cumulative Cost per Sq. Ft. by Year



Break Even on Product and Maintenance Cost Difference Between:

VCT vs. QGHP = 3 Years

Standard Resilient vs. QGHP = 1 Year

Mannington Assurance II

Construction	Homogeneous Slip Resistant Sheet
Classification	ASTM F1913 - Sheet Vinyl Floor Covering without backing
Total Thickness	.080" (2.03 mm)
Finish	Quantum Guard [®] HP
Width	6' (1.83 m)
Colors	27
Pattern Repeat	Random Repeat, reverse sheet for seaming
Packaging	30 - 73 sq.yd. (73 sq.yd. roll is approx. 100 Lineal feet)
Weight	6.5 lbs./sq.yd. (3.53 kg/m ²)
Adhesive	Porous & Non-Porous Substrates: V-88 Full Spread, Transitional Pressure Sensitive, High Moisture V-95 Full Spread 2-part Epoxy XpressStep for Sheet Vinyl Full Coverage Spray Porous Substrates Only: V-82 Full Spread Note: Must use V-95 or XpressStep for Sheet adhesive under hospital beds and heavy rolling load areas. Use V-95 in Operating Rooms or where higher risk of topical moisture would be a concern.
Seam Method	Mannington Commercial Weld Rods or MLG-33 Chemical Seam Sealer. Mannington Seam Coater Pen for high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic applications.
Testing	
HUD/FHA	Meets or exceeds
ADAG (American Disability Act Guidelines)	Passes
Flexibility (ASTM F137)	Passes - 1 1/2" No Crack/Break
Static Load (ASTM F970)	Passes - Resid. Indent ≤ 0.005 in.
Static Load (ASTM F970 mod.)	Passes - 2,000 PSI; Resid. Indent ≤ 0.005 in.
Rolling Resistance/Castor Chair (ISO 4918)	25,000 Cycles, No Significant Change
Short Term Residual Indentation (ASTM F1914 / F1303)	Passes - Must Be ≤ 0.007 in.
Flooring Radiant Panel (ASTM E648)	Passes - Class 1; ≥ 0.45 watts/cm ²
Smoke Density (ASTM E662)	Passes - ≤ 450
Slip Resistance (ASTM C1028, Dry)	Passes - ≥ 0.5 Leather; 0.6 Rubber
Acoustic IIC (ASTM E492)	50 - 6" Concrete with Drop Ceiling
Acoustic STC (ASTM E90)	63 - 6" Concrete with Drop Ceiling
Resistance to Light (ASTM F1515)	Passes - < 8 Delta E Color Change
Chemical Resistance (ASTM F925)	Passes - No More Than Slight Change
Resistance to Heat (ASTM F1514)	Passes - < 8 Delta E Color Change
Resistance to Mold/Mildew (ASTM G21 / E2180)	Passes - No More Than Slight Change
Environmental Data	
Indoor Air Quality	FloorScore Certified; CDPH v11-2010
LEED Scoreboard	May contribute to LEED Credits LEED 2009: MRc5 Regional Material; IEQ4.1 Low Emitting Adhesives; IEQ4.3 Low Emitting Materials - Flooring LEEDv4: Building Product Disclosure & Optimization - EPDs; IEQc2 - Low Emitting Materials EPD NSF/ANSI 332 Gold
Product Declarations	
Sustainability Assessment for Resilient Floor Coverings	
mindful Materials	Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information
Manufacturing	Salem, NJ (USA) - ISO 14001 EMS Certified & ISO 9001 QMS
Warranty	
	Limited 5 Year Commercial Warranty Limited 5 Year Quantum Guard [®] HP Wear Warranty