

MANNINGTON ASSURANCE II



MANNINGTON
COMMERCIAL



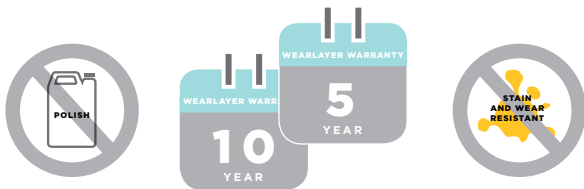
Taupe 16309, Basalt 16331, Coffee 16327
Cover: Taupe 16309



Cayenne 16329, Deep Blue 16330, Horizon Blue 16323

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

MOH HARDNESS SCALE

10 =

9 = QGHP

7 = Quartz

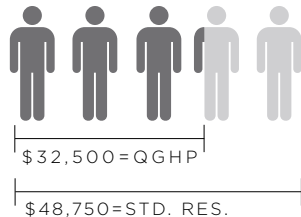
2 = Urethane without
aluminum oxide



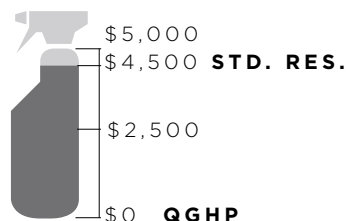
39%

ANNUAL MAINTENANCE SAVINGS PER SQ. FOOT

REGULAR MAINTENANCE ANNUAL TOTAL



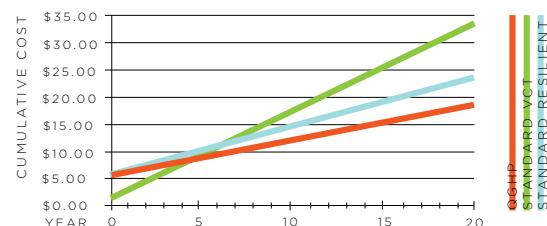
RESTORATIVE MAINTENANCE ANNUAL TOTAL



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








PERFORMANCE AND FEATURES

	<p>AVAILABLE SIZE</p>	<p>Available in 6'</p>
	<p>WARRANTY</p>	<p>This product is backed by our Limited 5 Year Commercial Warranty and Limited 5 Year Quantum Guard® HP Wear Warranty.</p>
	<p>QUANTUM GUARD® HP</p>	<p>The highest performance commercial urethane finish in the industry. The patented aluminum oxide proprietary wear layer eliminates the need for polish, while enhancing durability, cleanability, appearance retention and slip retardance when compared to standard resilient floors - resulting in 39% annual savings in maintenance costs.</p>
	<p>SLIP RESISTANCE</p>	<p>Product embossing texture combined with Quantum Guard® HP wear surface helps provide enhanced slip resistance in dry or wet conditions. This product meets or exceeds recommended ADA Guidelines.</p>

SUSTAINABILITY

	<p>ENERGY LEADERSHIP</p>	<p>With one of the largest solar arrays in the flooring industry (3.3 acres in Salem NJ) and ambitious goals to improve energy efficiency by 25% over ten years, we have an ongoing partnership with the Department of Energy to lead manufacturing into smarter energy use, as well as to reduce related carbon emissions.</p>
	<p>WATER REDUCTION</p>	<p>Water is a precious natural resource and a key component in manufacturing. By investing in technology and a continual emphasis on efficiency and lean manufacturing, we have reduced our water use by more than 30% company-wide since 2007. We also actively help protect wetlands in the communities where we make flooring.</p>
	<p>US MANUFACTURING</p>	<p>Mannington is a fourth generation, family-owned company deeply committed to U.S. manufacturing. We make flooring in seven communities across the U.S., allowing us to provide the highest levels of service and quality in the industry, while supporting local economies and crafting quality, American-made products.</p>
	<p>3RD PARTY CERTIFICATIONS</p>	<p>Certifications help navigate the world of green marketing claims. So we invest in ISO-14001 and environmentally preferable product certifications including NSF/ANSI-140, NSF/ANSI-332, FloorScore, and Green Label Plus. All of our products may contribute to multiple LEED and Green Globe credits.</p>
	<p>ENVIRONMENTAL PRODUCT DECLARATION</p>	<p>EPDs communicate the comprehensive life cycle assessment of a product's environmental impact and facilitate transparency. Our EPDs conform to international standards and are 3rd party verified by SSC and NSF International.</p>

SUSTAINABILITY (CONTINUED)

	<p>ISO 14001</p>	<p>ISO 14001 is a global environmental standard that provides a system for continual improvement in environmental performance.</p>
	<p>CE MARK</p>	<p>Certifies that a product has met EU health, safety, and environmental requirements, which ensure consumer safety. Manufacturers in the European Union (EU) and abroad must meet CE marking requirements where applicable in order to market their products in Europe.</p>
	<p>LEED</p>	<p>Mannington Commercial products may contribute to multiple LEED credits.</p>
	<p>PURPLE MARTINS</p>	<p>In the mid-1980s, we began attracting migrating birds called Purple Martins to our New Jersey manufacturing campus as a more natural alternative to the use of pesticides. This “Purple Martin Project” has proven to be an incredibly environmentally friendly and cost effective way to control insects. Our employees are engaged in the banding and tracking of the birds.</p>
	<p>HONEYBEES</p>	<p>In 2009, as part of an effort to show how an industrial enterprise can co-exist with the agricultural & farming community and positively contribute to both, Mannington’s New Jersey corporate site began to house honeybees, and now have 5 hives in Salem, NJ and 4 in Eustis, FL. The honeybees are thriving and each year we are able to enjoy and share the honey we produce.</p>
	<p>SOLAR ARRAY</p>	<p>At 3.3 acres, we have one of the largest solar arrays in the flooring industry generating 1,000,000 kilowatt hours annually.</p>
	<p>CLIMATE REGISTRY</p>	<p>Mannington is dedicated to reducing our greenhouse gas emissions by 25% over 10 years. Since 2007, a 10% reduction can be attributed to energy efficiencies, process efficiencies, and use of renewable energy. Additional information can be found on theclimateregistry.org.</p>



MANNINGTON ASSURANCE II

	CONSTRUCTION	Homogeneous Slip Resistant Commercial Sheet
	AVAILABLE SIZE	Available in 6' (1.83 m)
	OVERALL THICKNESS	.080" (2.03 mm)
	WEAR LAYER THICKNESS	.080" (2.03 mm)
	WEIGHT PER SQUARE YARD	6.5 lbs/yd ² (3.53 kg/m ²). For packing weight, it includes interleaf of 0.40 lbs. per sq. yd.(0.22 kg/m ²)
	SQUARE YARD PER ROLL (MIN-MAX)	30 - 68 sq. yds. (25.1 - 56.9 sq. m.)
	3RD PARTY CERTIFICATIONS	FloorScore, NSF/ANSI 332 Platinum
	WARRANTY	This product is backed by our Limited 5 Year Commercial Warranty and Limited 5 Year Quantum Guard® HP Wear Warranty.
	LEED	Mannington Commercial products may contribute to multiple LEED credits.
	US MANUFACTURING	Mannington is a fourth generation, family-owned company deeply committed to U.S. manufacturing. We make flooring in seven communities across the U.S., allowing us to provide the highest levels of service and quality in the industry, while supporting local economies and crafting quality, American-made products.
	STATIC LOAD LIMIT	750 PSI
	SPECIFICATION (ASTM F1913)	Exceeds
	HUD/FHA REQUIREMENTS	Meets or exceeds
	AMERICANS WITH DISABILITIES ACT GUIDELINES (ADAG)	Meets or exceeds ADA Guidelines
	COEFFICIENT OF FRICTION (COF)	≥ 0.5 Leather; 0.6 Rubber
	FLOORING RADIANT PANEL (ASTM E648)	≥ .45 watts/cm ² , Passes - Class 1
	N.B.S. SMOKE CHAMBER (ASTM E662)	< 450, Passes
	INSTALLATION ADHESIVE	Porous Substrate: V-82 Full Spread Non-Porous Substrate: V-95 Full Spread, 2 Part Epoxy Porous & Non-Porous Substrate: M-Guard V-88 Full Spread, Transitional Pressure Sensitive, High Moisture or XpressStep for Sheet Vinyl Note: Must use V-95 or XpressStep for Sheet Vinyl adhesive under hospital beds, OR tables and heavy rolling loads or where high performance is needed.
	SEAM METHOD	Mannington Commercial Solid Weld Rods. Heat welding is the recommended procedure for healthcare and high traffic applications.

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