

NATURE'S PATHS®



MANNINGTON  
COMMERCIAL



COVER: WINDSOR OAK - Shore 12231, Chestnut 12233 - 4"x36"

ABOVE: NORTHERN MAPLE - Espresso 12121, Natural 12119S - 4"x36"





MADISON MAPLE - Creek 12238, Hedge 12239 - 6"x36"



AMERICAN WALNUT - Natural 12124 - 4"x36"





MADISON MAPLE - Morgan 12236 - 6"x36"; WINDSOR OAK - Shore 12373 - 6"x36"





HERITAGE CHERRY - Natural 12105 - 3"x36"





VIA - Regia 12350 - 18"x18"; WINDSOR OAK - Ashen 12230 - 4"x36"

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 LVT floors
- Significant reduction in overall lifecycle cost greatly lowers total cost of ownership



MOHS HARDNESS SCALE

10 = Natural Diamond

9 = QGHP

7 = Quartz

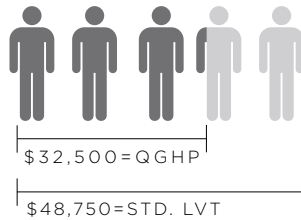
2 = Urethane without  
aluminum oxide



70%

ANNUAL MAINTENANCE  
SAVINGS PER SQ. FOOT

REGULAR MAINTENANCE  
ANNUAL TOTAL



TOTAL ANNUAL COST  
PER SQ. FT.

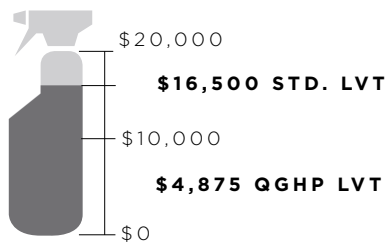


\$0.66 STANDARD LVT

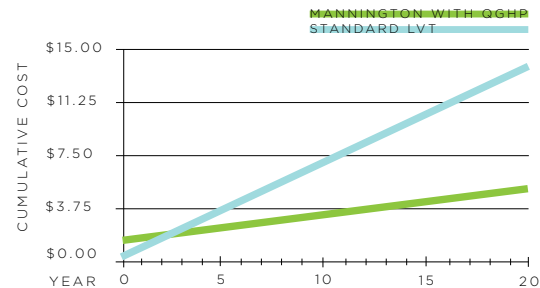


\$0.20 QGHP LVT

RESTORATIVE MAINTENANCE  
ANNUAL TOTAL



CUMULATIVE COST PER  
SQ. FT. BY YEAR






Break Even on Product and Maintenance Cost Difference Between:  
LVT VS. QGHP = 2 YEARS











**PERFORMANCE AND FEATURES**

	<p>AVAILABLE SIZES</p>	<p>3" x 36", 4" x 36", 6" x 36"</p>
	<p>WARRANTY</p>	<p>This product is backed by our Limited 10 Year Commercial Warranty and Limited 10 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 LVT floors – resulting in 39% annual savings in maintenance costs.</p>
	<p>RAPIDLY RENEWABLE CONTENT</p>	<p>Contains 3% rapidly renewable resource content.</p>
	<p>QUICKSTIX™</p>	<p>LVT with pre-applied adhesive, reducing time and labor required to install the flooring. QuickStix™ floors can be used immediately after installation, even in extreme moisture areas.</p>
	<p>XPRESS</p>	<p>When you really need it now. Our innovative delivery program ensures that you get the carpet and hard surface products you need quickly and reliably. With product available to ship within 5 business days, Mannington's Xpress program leads the industry in service. Please refer to <a href="http://manningtoncommercial.com">manningtoncommercial.com</a> to view Xpress products.</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 30% company-wide since 2007, 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>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>

## SUSTAINABILITY

	<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>ISO 14001</p>	<p>ISO 14001 is a global environmental standard that provides a system for continual improvement in environmental performance.</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 contribute to multiple LEED and Green Globe 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 coexist with the agricultural &amp; farming community and positively contribute to both, Mannington's New Jersey corporate site began to house honeybees. We 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 produced.</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>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 <a href="http://theclimateregistry.org">theclimateregistry.org</a>.</p>
	<p>LEED</p>	<p>Mannington Commercial products may contribute to multiple LEED credits.</p>





## SPECIFICATIONS – NATURE'S PATHS®

	CONSTRUCTION	LVT with micro-beveled edges
	AVAILABLE SIZES	3" x 36", 4" x 36", 6" x 36" – style dependent
	WEAR LAYER THICKNESS	20 mil (0.51 mm)
	OVERALL THICKNESS	.098" (2.5mm)
	PIECES PER CARTON	48 - 3" x 36"; 36 - 4" x 36"; 24 - 6" x 36"
	COVERAGE PER CARTON	36 sq. ft. (3.34 m <sup>2</sup> )
	3RD PARTY CERTIFICATIONS	FloorScore, Industry-wide 3rd party Type III EPD (Environmental Product Declaration)
	LEED	Mannington Commercial products may contribute to multiple LEED credits.
	QUANTUM GUARD® HP	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 LVT floors – resulting in 70% annual savings in maintenance costs.
	RAPIDLY RENEWABLE CONTENT	Contains 3% rapidly renewable resource content.
	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.
	WARRANTY	This product is backed by our Limited 10 Year Commercial Warranty and Limited 10 Year Quantum Guard® HP Wear Warranty.
	QUICKSTIX™	LVT with pre-applied adhesive, reducing time and labor required to install the flooring. QuickStix™ floors can be used immediately after installation, even in extreme moisture areas.
	XPRESS	When you really need it now. Our innovative delivery program ensures that you get the carpet and hard surface products you need quickly and reliably. With product available to ship within 5 business days, Mannington's Xpress program leads the industry in service. Please refer to manningtoncommercial.com to view Xpress products.
	STATIC LOAD LIMIT	750 PSI
	SPECIFICATION (ASTM F1700)	Class 3, Type B
	HEAT STABILITY (ASTM F1514)	Passes
	STAIN & CHEMICAL STABILITY (ASTM F925)	Passes
	HUD/FHA REQUIREMENTS	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)	≥ 0.45 watts/cm <sup>2</sup> , Passes (Class 1)
	N.B.S. SMOKE CHAMBER (ASTM E662)	< 450, Passes
	IMPACT SOUND TRANSMISSION ASTM E90/ASTM E492 - IIC 6" CONCRETE WITH DROP CEILING	IIC ≥ 50 IIC ≥ 62 over Mannington Silent Solution
	INSTALLATION ADHESIVE	V-82 / Full Spread Porous Subfloor, V-88 / Transitional Pressure Sensitive / Full Spread Porous & Non-Porous Subfloor, V-95 / Full Spread Non-Porous Subfloor, XpressStep Spray Adhesive / RH 90%, MVER 8, pH 11, XpressStep Premium Spray Adhesive / RH 93%, MVER 10, pH 12 / QuickStix™ Pre-Applied Adhesive / 99% RH, MVER 18, pH12.  Must use V-95 or XpressStep for LVT or Premium Spray adhesive under hospital beds and heavy rolling loads or where high performance is needed.



