

NATURE'S PATHS®



MANNINGTON
COMMERCIAL

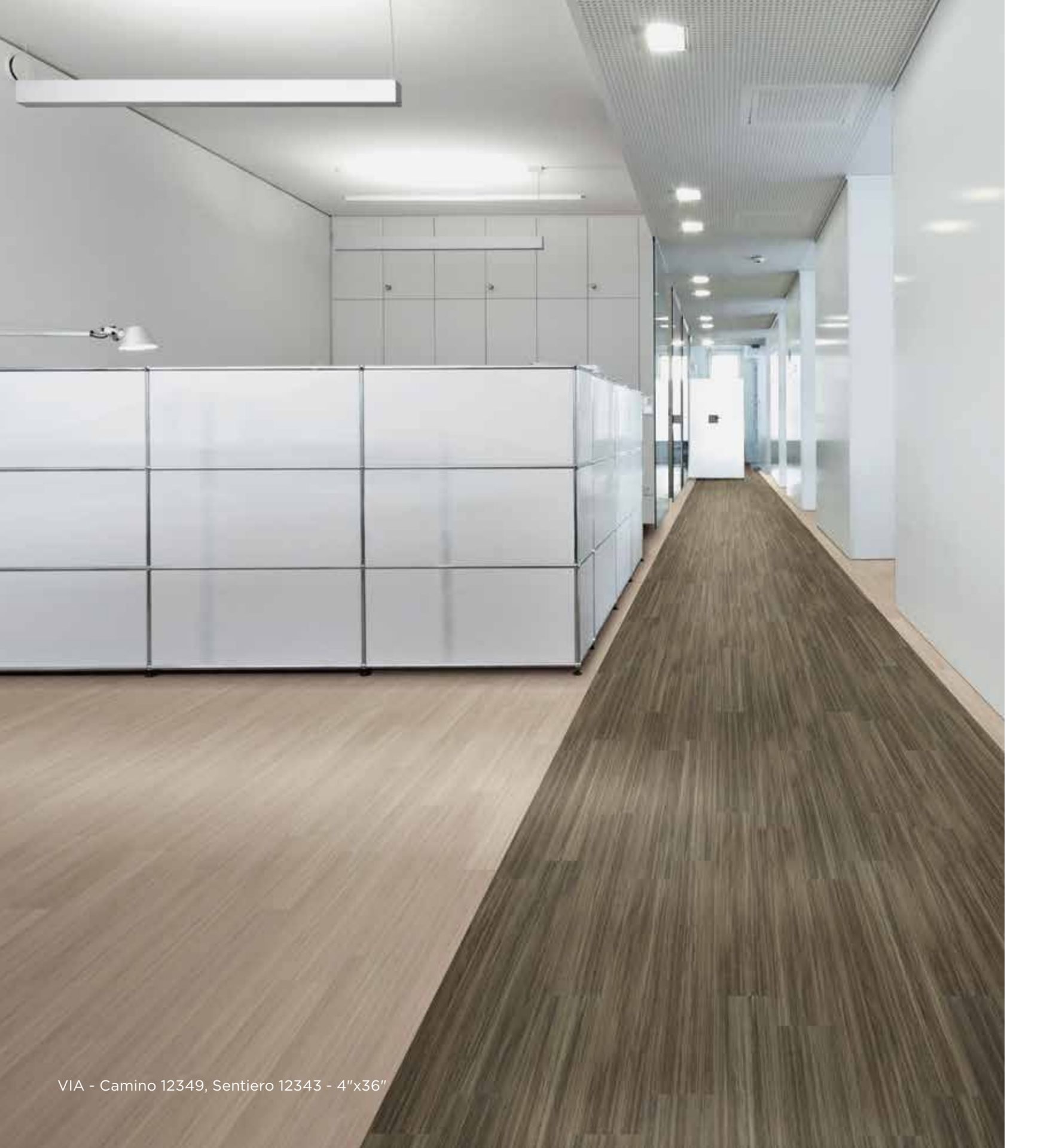


COVER: VIA - Regia 12350, Sentiero 12342 - 18"x18"

ABOVE: VIA - Passo 12346, Strada 12340 - 18"x18"



VENA - Durango 12366, Sivas 12362, Hidalgo 12368 - 18"x18"



VIA - Camino 12349, Sentiero 12343 - 4"x36"



VIA - Regia 12351, Passo 12347 - 4"x36"; VENA - Tivoli 12360 - 18"x18"



VENA - Tivoli 12361, Konya 12365, Hidalgo 12369 - 18"x36"



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



RAINFALL - Clearing 12302, Torrent 12300 - 18"x18"



RAINFALL - Dew 12306, Clearing 12302 - 18"x18"



DISSOLVE - Etch 12330 - 18"x18"



DISSOLVE - Scatter 12328, Recede 12326 - 18"x18"

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

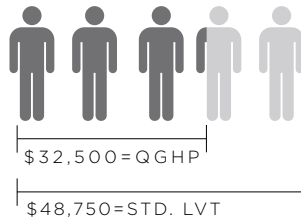
2 = Urethane without
aluminum oxide



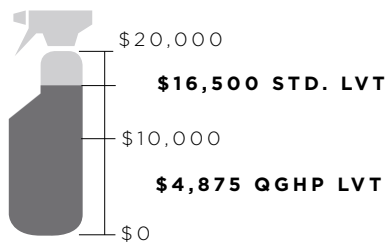
70%

ANNUAL MAINTENANCE
SAVINGS PER SQ. FOOT

REGULAR MAINTENANCE
ANNUAL TOTAL



RESTORATIVE MAINTENANCE
ANNUAL TOTAL



TOTAL ANNUAL COST
PER SQ. FT.

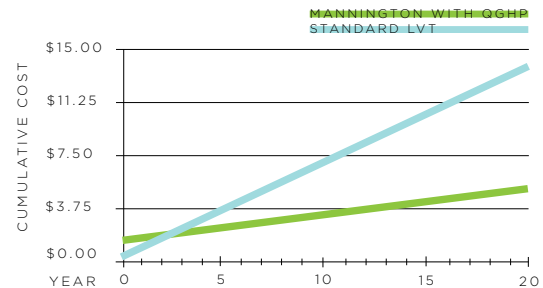


\$0.66 STANDARD LVT








\$0.20 QGHP LVT

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>18" x 18", 18" x 36" with micro-beveled edges 4" x 36" VIA only</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>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>RAPIDLY RENEWABLE CONTENT</p>	<p>Contains 3% rapidly renewable resource content.</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 manningtoncommercial.com 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 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 35% 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>
	<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>

SUSTAINABILITY

	<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 may contribute to multiple LEED and Green Globes 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 ThinkStep and Underwriters Laboratory.</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>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 theclimateregistry.org.</p>
	<p>RAPIDLY RENEWABLE CONTENT</p>	<p>Contains 3% rapidly renewable resource content.</p>



SPECIFICATIONS – NATURE'S PATHS®

	CONSTRUCTION	LVT with micro-beveled edges
	AVAILABLE SIZES	18" x 18" (457.2 mm x 457.2 mm); 18" x 36" (457.2 mm x 914.4 mm); 4" x 36" (101.5 mm x 914.4 mm) VIA only
	WEAR LAYER THICKNESS	20 mil (0.51 mm)
	OVERALL THICKNESS	.100" (2.5 mm)
	PIECES PER CARTON	18 per carton - 18" x 18"; 9 per carton - 18" x 36"; 36 per carton - 4" x 36" VIA only
	COVERAGE PER CARTON	40.5 sq. ft. - 18" x 18" and 18" x 36" / 36 sq. ft. - 4" x 36" VIA only
	WEIGHT PER CARTON	38.1 lbs (17.3 Kg) per carton - 18" x 18" and 18" x 36" 33.8 lbs (15.3 Kg) per carton - 4" x 36" VIA only
	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.
	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.
	3RD PARTY CERTIFICATIONS	FloorScore, Industry-wide 3rd party Type III EPD (Environmental Product Declaration)
	RAPIDLY RENEWABLE CONTENT	Contains 3% rapidly renewable resource content.
	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.
	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
	SPECIFICATIONS (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/cm2, Passes (Class 1)
	N.B.S. SMOKE CHAMBER (ASTM E662)	< 450, Passes
	INSTALLATION ADHESIVE	<p>Porous Substrate: V-82 Full Spread</p> <p>Non-Porous Substrate: V-95 Full Spread, 2 Part Epoxy</p> <p>QuickStix pre-applied adhesive / 99% RH, MVER 18, pH12.</p> <p>Porous & Non-Porous Substrate: M-Guard V-88 Full Spread, Transitional Pressure Sensitive, High Moisture or XpressStep for LVT Spray Adhesive / RH 90%, MVER 8, pH11, XpressStep Premium Spray Adhesive / RH 93%, MVER 18, pH12</p> <p>Note: 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.</p>



