Nature's Paths® Collection | Wood

Mannington
COMMERCIAL

Cover: Windsor Oak - Shore 12231, Chestnut 12233
Above: Northern Maple - Espresso 12121, Natural 12119

Madison Maple - Creek 12238, Hedge 12230

American Walnut - Natural 12124

Via - Regia 12350, **Windsor Oak** - Ashen 12230

Madison Maple - Morgan 12236, **Windsor Oak** - Shore 12373

Heritage Cherry - Natural 12105

QUANTUM GUARD® *elite*
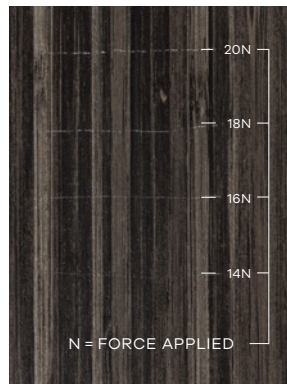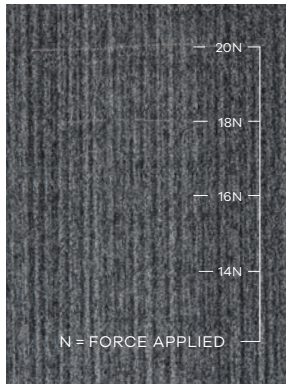
Success Is in Our Science

Introducing an advancement in our proven Quantum Guard technology: Quantum Guard Elite. This patent pending technology provides the ultimate solution for all aspects of LVT performance.

- Highest scratch resistance in the industry
- Engineered for best-in-class dimensional stability
- Superior impact resistance
- Cuts cleanly for highest quality installation
- Easy no-polish maintenance significantly reduces overall life cycle cost and total cost of ownership
- Advanced stain resistance

Complete Multi-Layered Protection

Quantum Guard Elite combines a hard wear layer and a flexible wear layer for superior durability with the added protection of our proprietary aluminum oxide technology.

Urethane with Aluminum Oxide
Hard Wear Layer
Flexible Wear Layer
Print Layer
Backing Layers

Outperforms in Scratch Resistance

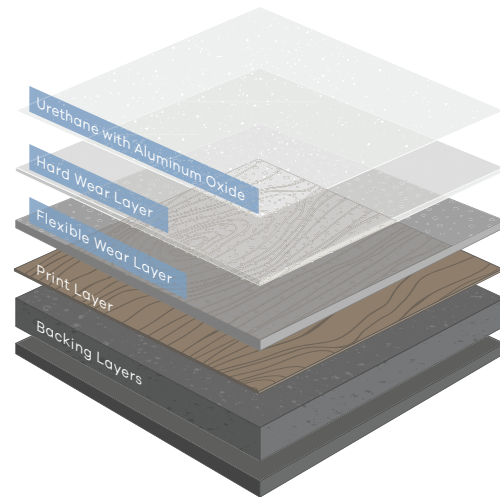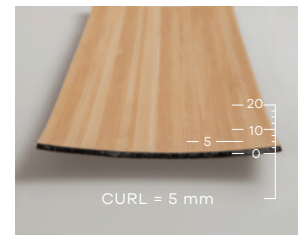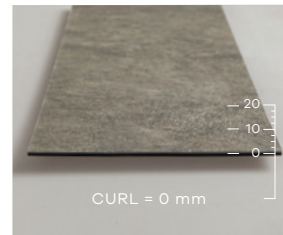Quantum Guard Elite

Leading Competitor

20N
18N
16N
14N
N = FORCE APPLIED

With a patent-pending two-part wear layer and aluminum oxide infused top coat, Quantum Guard Elite offers superior scratch resistance vs. the leading competitor.

Best-in-Class Dimensional Stability

Quantum Guard Elite

Leading Competitor

CURL = 0 mm

CURL = 5 mm

LVT with Quantum Guard Elite is fully engineered to offer the perfect balance of hardness and flexibility, which helps prevent product failures in commercial environments. Products exposed to 80˚C for six hours.

Warranted to Work

Products with Quantum Guard Elite feature our Limited Quantum Guard Elite Wear Warranty and Limited Commercial Warranty.

Nature's Paths® Collection | Wood Product Availability

Color Description	Color Name	Color Code	Surface Finish – Wood Tick	Quantum Guard Elite®	Micro-beveled Edges	3" x 36" (76 x 915 mm)	4" x 36" (102 x 915 mm)	6" x 36" (152 x 915 mm)
American Walnut	Cocoa	12126	•	•	•		•	
American Walnut	Natural	12124	•	•	•		•	
American Walnut	Saddle	12125	•	•	•		•	
Heritage Cherry	Cordovan	12104	•	•	•		•	
Heritage Cherry	Merlot	12107	•	•	•		•	
Heritage Cherry	Natural	12105	•	•	•	•		
Heritage Cherry	Natural	12106	•	•	•			•
Heritage Cherry	Select	12103	•	•	•	•		
Madison Maple	Creek	12238	•	•	•			•
Madison Maple	Hedge	12239	•	•	•			•
Madison Maple	Morgan	12236	•	•	•			•
Madison Maple	Pepper Bark	12237	•	•	•			•
Northern Maple	Autumn	12120	•	•	•		•	
Northern Maple	Espresso	12121	•	•	•		•	
Northern Maple	Natural	12119	•	•	•	•		
Windsor Oak	Ashen	12230	•	•	•		•	
Windsor Oak	Ashen	12372	•	•	•			•
Windsor Oak	Ashen	12378	•	•	•	•		
Windsor Oak	Chestnut	12375	•	•	•			•
Windsor Oak	Chestnut	12381	•	•	•	•		
Windsor Oak	Chestnut	12233	•	•	•		•	
Windsor Oak	Gainsboro	12235	•	•	•		•	
Windsor Oak	Gainsboro	12377	•	•	•			•
Windsor Oak	Gainsboro	12383	•	•	•	•		
Windsor Oak	Golden	12114	•	•	•		•	
Windsor Oak	Golden	12385	•	•	•	•		
Windsor Oak	Golden	12386	•	•	•			•
Windsor Oak	Gunstock	12115	•	•	•			•
Windsor Oak	Gunstock	12116	•	•	•	•		
Windsor Oak	Gunstock	12389	•	•	•		•	
Windsor Oak	Honeytone	12111	•	•	•	•		
Windsor Oak	Honeytone	12387	•	•	•		•	
Windsor Oak	Honeytone	12388	•	•	•			•
Windsor Oak	Moleskin	12234	•	•	•		•	
Windsor Oak	Moleskin	12376	•	•	•			•
Windsor Oak	Moleskin	12382	•	•	•	•		
Windsor Oak	Natural	12112	•	•	•	•		
Windsor Oak	Natural	12113	•	•	•			•
Windsor Oak	Natural	12384	•	•	•		•	
Windsor Oak	Shore	12231	•	•	•		•	
Windsor Oak	Shore	12373	•	•	•			•
Windsor Oak	Shore	12379	•	•	•	•		
Windsor Oak	Vintage	12232	•	•	•		•	
Windsor Oak	Vintage	12374	•	•	•			•
Windsor Oak	Vintage	12380	•	•	•	•		

Standard order sizes listed above. Excluding Madison Maple, all other styles are available in alternate widths (3", 4" and 6") based on a minimum order size of a full pallet for that product. Nature's Paths pallets range from 1,940 - 2,106 square feet.

Nature's Paths® Collection | Wood

Style	Wood
Construction	Luxury Vinyl Tile Non-ortho Phthalate
Classification	ASTM F1700 Class III, Type B
Total Thickness	0.098" (2.5 mm)
Wear Layer Thickness	20 mil (0.51 mm)
Wear Layer	Quantum Guard Elite®
Edge Treatment	Micro-bevel
Sizes	3" x 36" (76 x 915 mm), 4" x 36" (102 x 915 mm), 6" x 36" (152 x 915 mm) Sizes are style dependent; refer to Product Availability Chart
Colors	3 - American Walnut, 4 - Heritage Cherry, 4 - Madison Maple, 3 - Northern Maple, 10 - Windsor Oak
Packaging	3" x 36" - 48 pcs, 36 ft² (3.345 m²), 27 lbs (12.25 kg) 4" x 36" - 36 pcs, 36 ft² (3.345 m²), 27 lbs (12.25 kg) 6" x 36" - 24 pcs, 36 ft² (3.345 m²), 27 lbs (12.25 kg) Packaging may differ for QuickStix®
Adhesive	**Porous & Non-porous Substrates:** **V-95** Full Spread, 2-part Epoxy **V-88** Full Spread, Transitional Pressure Sensitive, High Moisture **XpressStep** for LVT & Sheet Vinyl Full Coverage Spray **XpressStep Premium** for LVT Full Coverage High Moisture Spray **Porous Substrates Only:** **V-82** Full Spread **Note:** Must use V-95, XpressStep or XpressStep Premium 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.
QuickStix®	Available with QuickStix® 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.
Installation Method	All arrows in the same direction. Planks should have end joints offset by at least 6" and staggered to create a random appearance.

Testing

HUD/FHA	Passes
Flexibility (ASTM F137)	Passes - 1" Mandrel - No Crack/Break
Dimensional Stability (ASTM F2199)	Passes - Max 0.020 in/lin ft
Squareness (ASTM F540)	Passes - Max 0.010"
Static Load (ASTM F970 mod.)	Passes - 2,000 PSI; Residual Indent ≤ 0.005"
Residual Indentation (ASTM F1914)	Passes - < 8% Avg / 10% Single Value
Flooring Radiant Panel (ASTM E648)	Passes - Class 1; ≥ 0.45 watts/cm²
Smoke Density (ASTM E662)	Passes - ≤ 450
Slip Resistance (ASTM C1028)	Passes - ≥ 0.5 Leather; 0.6 Rubber
Resistance to Light (ASTM F1515)	Passes
Chemical Resistance (ASTM F925)	Passes
Resistance to Heat (ASTM F1514)	Passes

Environmental Data

Rapidly Renewable Content	Contains 2% rapidly renewable resource content
Indoor Air Quality	FloorScore Certified; CDPH v1.1-2010
Product Declarations	EPD, HPD
LEED Scoreboard	May contribute to LEED credits: LEED 2009: MRc5 Regional Materials; MRc6 Rapidly Renewable Materials; IEQ4.1 Low Emitting Adhesives; IEQ4.3 Low Emitting Materials - Flooring LEED v4: Building Product Disclosure & Optimization - EPDs; Building Product Disclosure & Optimization - Sourcing Raw Materials; Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials
mindful MATERIALS	Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information
Manufacturing	Madison, GA (USA) - ISO 14001 EMS & ISO 9001 QMS Registered

Warranty

	Limited 15 Year Commercial Warranty Limited 15 Year Quantum Guard Elite® Wear Warranty