Nature's Paths® Collection | Stone & Abstract

Mannington® COMMERCIAL

Cover: Via - Regia 12350, Sentiero 12342
Above: Via - Camino 12349, Passo 12347, **Vena** - Tivoli 12360

Vena - Durango 12366, Sivas 12362, Hidalgo 12368

Via - Passo 12346, Strada 12340

Via - Camino 12349, Sentiero 12343

Vena - Tivoli 12361, Konya 12365, Hidalgo 12369

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

Rainfall - Clearing 12302, Torrent 12300

Rainfall - Dew 12306, Clearing 12302

Dissolve - Etch 12330

Dissolve - Scatter 12328, Recede 12326

QUANTUM GUARD® *elite*

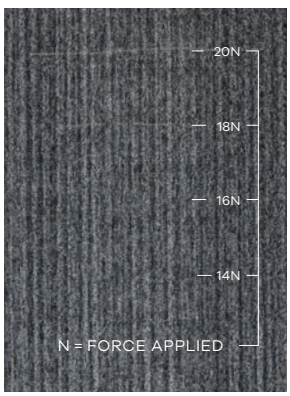
Success Is in Our Science

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.

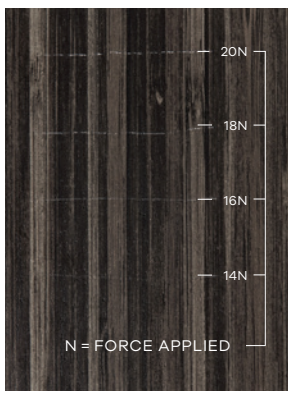
- Highest scratch resistance in the industry
- Engineered for best-in-class dimensional stability
- Superior impact resistance
- Cuts cleanly for highest quality installation
- Easy no-polish maintenance significantly reduces overall life cycle cost and total cost of ownership
- Advanced stain resistance

Outperforms in Scratch Resistance

Quantum Guard Elite



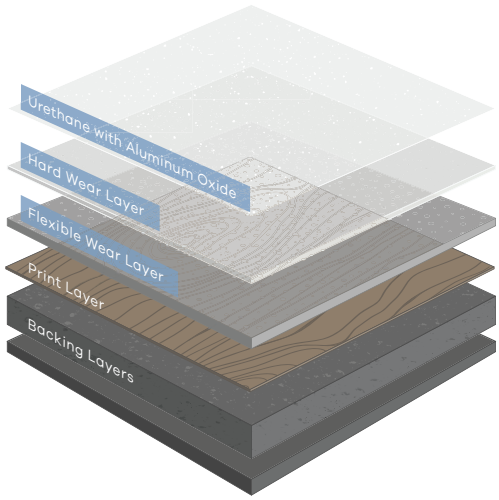
Leading Competitor



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.

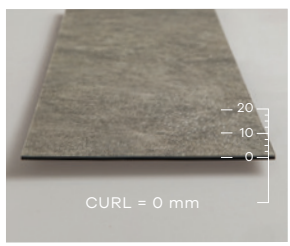
Complete Multi-Layered Protection

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.

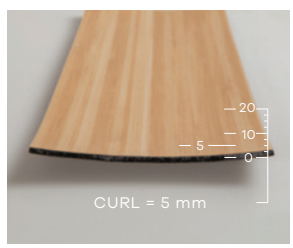


Best-in-Class Dimensional Stability

Quantum Guard Elite



Leading Competitor



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 | Stone & Abstract Product Availability

Color Description	Color Name	Color Code	Surface Finish - Ceramic	Surface Finish - Wood Tick	Quantum Guard Elite®	Micro-beveled Edges	4" x 36" (102 x 915 mm)	18" x 18" (457 x 457 mm)	18" x 36" (457 x 915 mm)
STONE									
Vena	Durango	12366	•		•	•		•	
Vena	Durango	12367	•		•	•			•
Vena	Hidalgo	12368	•		•	•		•	
Vena	Hidalgo	12369	•		•	•			•
Vena	Konya	12364	•		•	•		•	
Vena	Konya	12365	•		•	•			•
Vena	Siena	12370	•		•	•		•	
Vena	Siena	12371	•		•	•			•
Vena	Sivas	12362	•		•	•		•	
Vena	Sivas	12363	•		•	•			•
Vena	Tivoli	12360	•		•	•		•	
Vena	Tivoli	12361	•		•	•			•
ABSTRACT									
Dissolve	Etch	12330	•		•	•		•	
Dissolve	Etch	12331	•		•	•			•
Dissolve	Fade	12320	•		•	•		•	
Dissolve	Fade	12321	•		•	•			•
Dissolve	Flux	12324	•		•	•		•	
Dissolve	Flux	12325	•		•	•			•
Dissolve	Recede	12326	•		•	•		•	
Dissolve	Recede	12327	•		•	•			•
Dissolve	Render	12322	•		•	•		•	
Dissolve	Render	12323	•		•	•			•
Dissolve	Scatter	12328	•		•	•		•	
Dissolve	Scatter	12329	•		•	•			•
Rainfall	Clearing	12302	•		•	•		•	
Rainfall	Clearing	12303	•		•	•			•
Rainfall	Dawn	12304	•		•	•		•	
Rainfall	Dawn	12305	•		•	•			•
Rainfall	Dew	12306	•		•	•		•	
Rainfall	Dew	12307	•		•	•			•
Rainfall	Mist	12310	•		•	•		•	
Rainfall	Mist	12311	•		•	•			•
Rainfall	Storm	12308	•		•	•		•	
Rainfall	Storm	12309	•		•	•			•
Rainfall	Torrent	12300	•		•	•		•	
Rainfall	Torrent	12301	•		•	•			•
Via	Camino	12349		•	•	•	•		
Via	Camino	12348		•	•	•		•	
Via	Corso	12345		•	•	•	•		
Via	Corso	12344		•	•	•		•	
Via	Passo	12347		•	•	•	•		
Via	Passo	12346		•	•	•		•	
Via	Regia	12351		•	•	•	•		
Via	Regia	12350		•	•	•		•	
Via	Sentiero	12343		•	•	•	•		
Via	Sentiero	12342		•	•	•		•	
Via	Strada	12341		•	•	•	•		
Via	Strada	12340		•	•	•		•	

Mannington COMMERCIAL

Nature's Paths® Collection | Stone & Abstract

Style	Stone	Abstract
Construction	Luxury Vinyl Tile	Luxury Vinyl Tile
Classification	ASTM F1700 Class III, Type B	ASTM F1700 Class III, Type B
Total Thickness	0.098" (2.5 mm)	0.098" (2.5 mm)
Wear Layer Thickness	20 mil (0.51 mm)	20 mil (0.51 mm)
Wear Layer	Quantum Guard Elite®	Quantum Guard Elite®
Edge Treatment	Micro-bevel	Micro-bevel
Sizes	18" x 18" (457 x 457 mm) 18" x 36" (457 x 915 mm)	4" x 36" (102 x 915 mm) 18" x 18" (457 x 457 mm) 18" x 36" (457 x 915 mm) Sizes are style dependent; refer to Product Availability Chart
Colors	6 - Vena	6 - Dissolve, 6 - Rainfall, 6 - Via
Packaging	18" x 18" - 18 pcs, 40.5 ft^2 (3.763 m^2), 30.38 lbs (13.78 kg) 18" x 36" - 9 pcs, 40.5 ft^2 (3.763 m^2), 30.38 lbs (13.78 kg)	4" x 36" - 36 pcs, 36 ft^2 (3.345 m^2), 27 lbs (12.25 kg) 18" x 18" - 18 pcs, 40.5 ft^2 (3.763 m^2), 30.38 lbs (13.78 kg) 18" x 36" - 9 pcs, 40.5 ft^2 (3.763 m^2), 30.38 lbs (13.78 kg)
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. Tiles should be installed block or staggered; when quarter turned, arrows should alternate. 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/cm^2
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
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; 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