Mannington Select Collection | Abstract & Stone

Mannington
COMMERCIAL

Cover: Stone - Crete Gravel MSC214
Above: Stone - Argyl Slate Mineral MSC206

Abstract - Celestial Atmosphere MSC228,
Moonrock MSC230

QUANTUM GUARD®
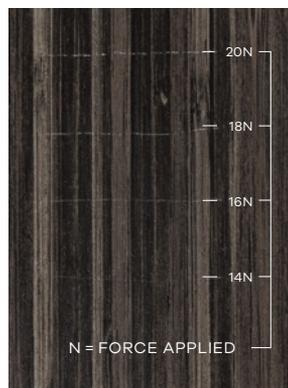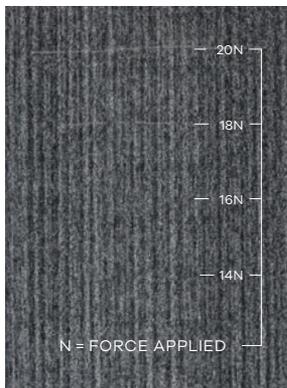*elite*

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

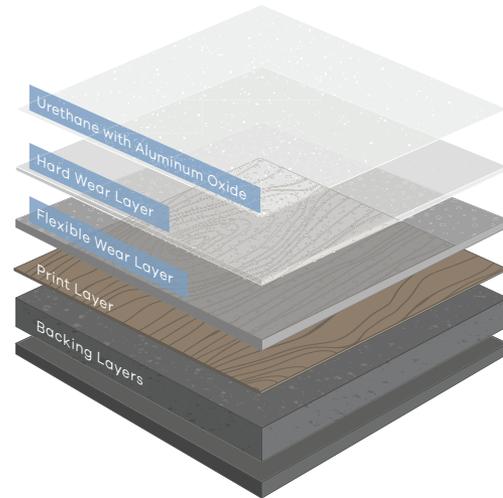### Outperforms in Scratch Resistance

Quantum Guard Elite   Leading Competitor

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

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.
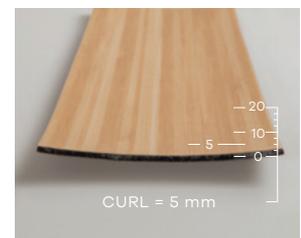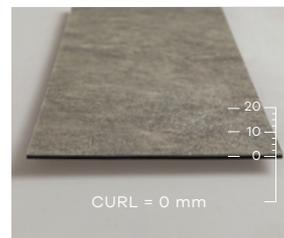
Complete Multi-Layered Protection

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

Best-in-Class Dimensional Stability

Quantum Guard Elite   Leading Competitor

20
10
0
CURL = 0 mm

20
10
5
0
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.

Mannington Select Collection | Abstract & Stone Product Availability

Product Name	Product Code	Quantum Guard Elite®	Micro-beveled Edges	9" x 18" (229 x 457 mm)	18" x 18" (457 x 457 mm)
ABSTRACT					
Celestial Atmosphere	MSC228	•	•	•	•
Celestial Moonrock	MSC230	•	•	•	•
Celestial Nocturn	MSC234	•	•	•	•
Celestial Polaris	MSC226	•	•	•	•
Celestial Stardust	MSC232	•	•	•	•

Product Name	Product Code	Quantum Guard Elite®	Micro-beveled Edges	9" x 18" (229 x 457 mm)	18" x 18" (457 x 457 mm)
STONE					
Argyl Slate Mineral	MSC206	•	•		•
Argyl Slate Onyx	MSC204	•	•		•
Argyl Slate Pearl	MSC200	•	•		•
Argyl Slate Silver Dust	MSC202	•	•		•
Crete Ash	MSC210	•	•	•	
Crete Clay	MSC212	•	•	•	
Crete Gravel	MSC214	•	•	•	
Crete Mortar	MSC208	•	•	•	
Crete Silica	MSC216	•	•	•	
Fiera Carbon Gray	MSC222	•	•		•
Fiera Flint	MSC218	•	•		•
Fiera Pyrite	MSC224	•	•		•
Fiera Quartz	MSC220	•	•		•

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Style	Stone	Abstract
Construction	Luxury Vinyl Tile Non-ortho Phthalate	Luxury Vinyl Tile Non-ortho Phthalate
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	30 mil (0.76 mm)	30 mil (0.76 mm)
Wear Layer	Quantum Guard Elite®	Quantum Guard Elite®
Edge Treatment	Micro-bevel	Micro-bevel
Sizes	9" x 18" (229 x 457 mm) 18" x 18" (457 x 457 mm) Sizes are style dependent; refer to Product Availability Chart	9" x 18" (229 x 457 mm) 18" x 18" (457 x 457 mm)
Colors	13	5
Packaging	9" x 18" - 40 pcs, 45 ft² (4.181 m²), 33.75 lbs (15.31 kg) 18" x 18" - 18 pcs, 45 ft² (4.181 m²), 33.75 lbs (15.31 kg) Packaging may differ for QuickStix®	9" x 18" - 40 pcs, 45 ft² (4.181 m²), 33.75 lbs (15.31 kg) 18" x 18" - 18 pcs, 45 ft² (4.181 m²), 33.75 lbs (15.31 kg) Packaging may differ for QuickStix®
Adhesive	**Porous & Non-porous Substrates:** **V-88 / Amtico PSA** Full Spread, Transitional Pressure Sensitive **MoistureLoc / Amtico RP-18** Full Spread, One Component **V-95** Full Spread, 2-part Epoxy **XpressStep** for LVT & Sheet Vinyl Full Coverage Spray **Note:** Must use V-95, MoistureLoc, Amtico RP-18 or XpressStep adhesive under hospital beds and heavy rolling load areas. In more abusive conditions such as areas subject to dragging force, direct sunlight or where topical moisture would be a concern, only V-95, MoistureLoc or Amtico RP-18 should be used.	
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	Tiles should be installed block or staggered; when quarter turned, arrows should alternate.	

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 F2055)	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 v1.2-2017
Product Declarations	Third Party Verified EPD, HPD
Carbon Offset	105% Cradle to Gate (A1 - A3), visit website for more information
LEED	May contribute to LEED credits: 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 mindfulmaterials.com for current transparency information
Manufacturing	Madison, GA (USA) - ISO 14001 EMS & ISO 9001 QMS Registered

Warranty

	Limited 20 Year Commercial Warranty Limited 20 Year Quantum Guard Elite® Wear Warranty