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Mannington Crown Collection®

**Mannington**  
COMMERCIAL



**Cover:** Dusky Walnut MCC108  
**Above:** Dry Cedar MCC103, Exotic Walnut MCC109



Bleached Elm MCC101



QUANTUM GUARD®  
*elite*

### Success Is in Our Science

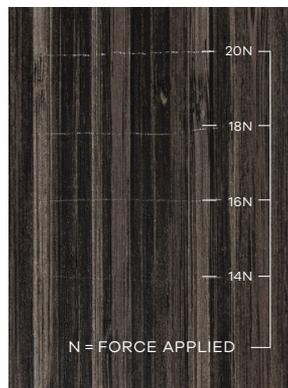
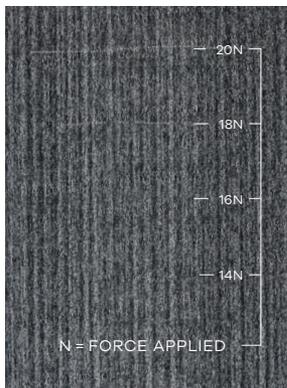
Introducing an advancement in our proven Quantum Guard technology: Quantum Guard Elite. This patent pending technology provides the ultimate solution for all aspects of LVT performance.

- 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

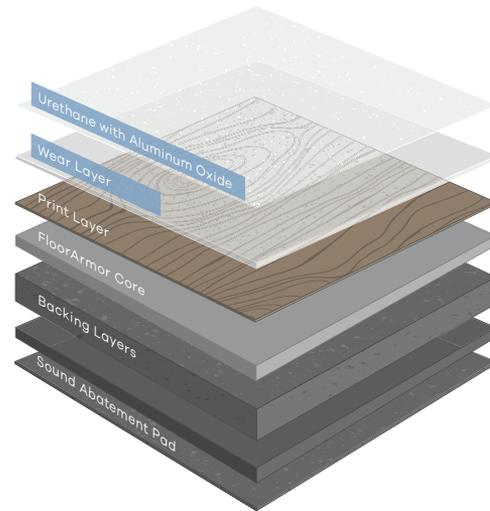
Leading Competitor



With an aluminum oxide infused top coat, Quantum Guard Elite offers superior scratch resistance vs. the leading competitor.

### Complete Multi-Layered Protection

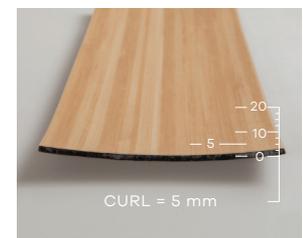
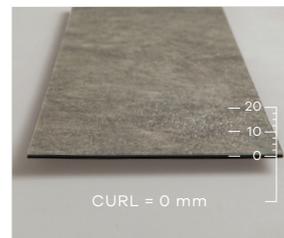
Quantum Guard Elite provides superior durability with the added protection of our proprietary aluminum oxide technology.



### 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.

**Mannington Crown Collection®**

Style	Wood
Construction	Solid Core with FloorArmor® Core Non-ortho Phthalate
Classification	ASTM F3261 Class I, Type B, Backing Class B
Total Thickness	0.236" (6 mm) - Floor Armor® Core 0.197" (5 mm); Sound Abatement Pad 0.039" (1 mm)
Wear Layer Thickness	20 mil (0.51 mm)
Wear Layer	Quantum Guard Elite®
Edge Treatment	Micro-bevel
Sizes	7" x 48" (177.8 x 1,219.2 mm) (Nominal)
Colors	10
Packaging	6 pcs, 14.01 ft <sup>2</sup> (1,302 m <sup>2</sup> ), 2743 lbs (12.44 kg)
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.
<b>Testing</b>	
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/cm <sup>2</sup>
Smoke Density (ASTM E662)	Passes - ≤ 450
Slip Resistance (ASTM C1028)	Passes - ≥ 0.5 Leather; 0.6 Rubber
Acoustic IIC (ASTM E492)	68 - 6" Concrete with Drop Ceiling
Acoustic STC (ASTM E90)	62 - 6" Concrete with Drop Ceiling
Resistance to Light (ASTM F1515)	Passes
Chemical Resistance (ASTM F925)	Passes
Resistance to Heat (ASTM F1514)	Passes
<b>Environmental Data</b>	
Indoor Air Quality	FloorScore Certified; CDPH v1.2-2017
Product Declarations	EPD
LEED	May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials
mindful MATERIALS	Visit <a href="http://mindfulmaterials.com">mindfulmaterials.com</a> for current transparency information
Manufacturing	China
<b>Warranty</b>	
	Limited 15-Year Commercial Warranty Limited 15-Year Quantum Guard Elite® Wear Warranty Limited 15-Year No Gap Warranty