



City Park® Collection

**Mannington**  
COMMERCIAL





Cover: Windsor Oak - Ashen CPC101  
Above: Madison Maple - Creek CPC103





Madison Maple - Pepper Bark CPC104



QUANTUM GUARD®  
*elite*

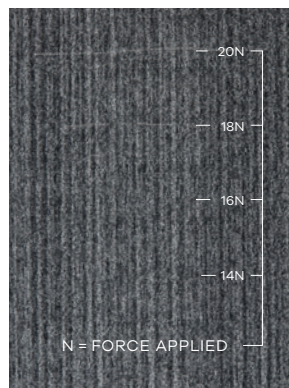
## Success Is in Our Science

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.

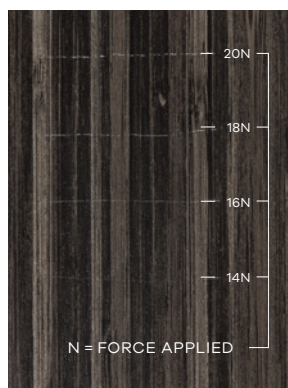
- Highest scratch resistance in the industry
- Engineered for best-in-class dimensional stability
- Superior impact resistance
- Cuts cleanly for highest quality installation
- Easy no-polish maintenance significantly reduces overall life cycle cost and total cost of ownership
- Advanced stain resistance

## Outperforms in Scratch Resistance

Quantum Guard Elite



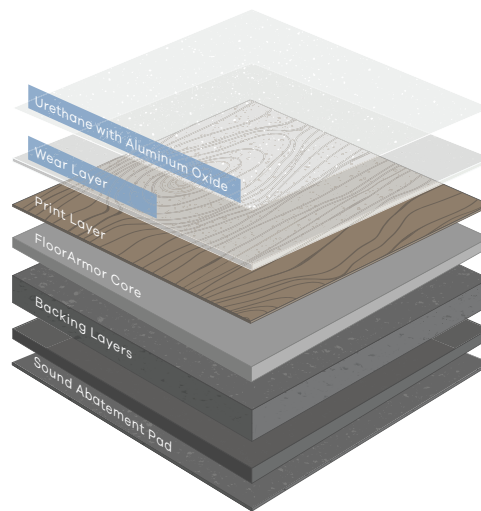
Leading Competitor



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

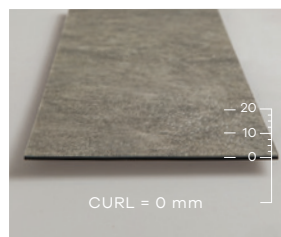
## Complete Multi-Layered Protection

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

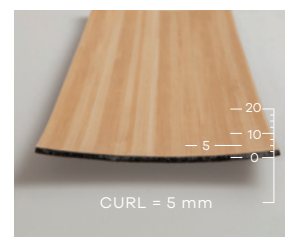


## Best-in-Class Dimensional Stability

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.



City Park® 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
Size	5.8" x 37" (148 x 940 mm) (Nominal)
Colors	10
Packaging	8 pcs, 11.97 ft² (1.112 m²), 23.31 lbs (10.57 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.
Testing	
HUD/FHA	Passes
Flexibility (ASTM F137)	Passes - 1" Mandrel - No Crack/Break
Dimensional Stability (ASTM F2199)	Passes - Max 0.020 in/in 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
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
Environmental Data	
Indoor Air Quality	FloorScore Certified; CDPH v1.1-2010
Product Declarations	EPD
LEED Scoreboard	May contribute to LEED credits: LEED 2009: IEQ4.1 Low Emitting Adhesives - no adhesive needed; IEQ4.3 Low Emitting Materials - Flooring LEED v4: Building Product Disclosure & Optimization – EPDs; IEQc2 - Low Emitting Materials Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information
mindful MATERIALS	
Manufacturing	China
Warranty	
	Limited 15 Year Commercial Warranty Limited 15 Year Quantum Guard Elite® Wear Warranty Limited 15 Year No Gap Warranty