

MATERIALITY

# Quantum Guard Elite®

## A Proven Surface Technology for Long-Term Performance

In commercial environments, the surface of your flooring is its first line of defense. It endures daily wear, cleaning, and constant foot traffic—conditions that can quickly reveal the quality of the materials used in its construction. That's why Mannington Commercial invests in developing proprietary technologies that improve durability and extend product life.

Quantum Guard Elite is one of those innovations—a holistic performance solution developed to meet the highest standards for durability and long-term appearance retention for hard surface products.

# What is Quantum Guard Elite®?

Quantum Guard Elite is Mannington Commercial's patented surface technology for LVT and resilient sheet flooring. It combines urethane, aluminum oxide, and UV curing to improve stain, scratch, and scuff resistance. The result is a durable, easy-to-clean surface that maintains its appearance in high-traffic environments.

## Key Performance Advantages

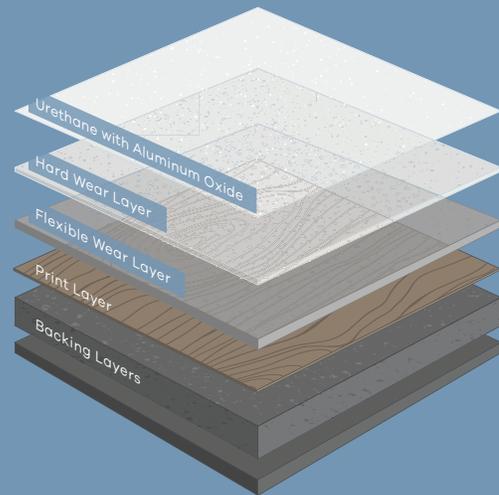
### Quantum Guard Elite for LVT

Quantum Guard Elite sets Mannington Commercial LVT apart with a multi-layer wear surface and aluminum-oxide finish that provides one of the industry's best scratch protection, ensuring floors that perform beautifully in even the most high-traffic environments.

- One of the 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 proven aluminum oxide technology.



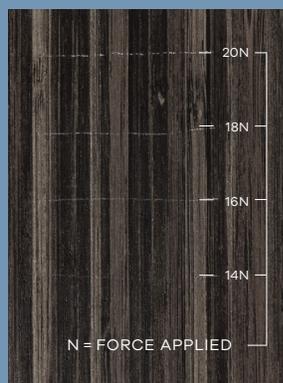
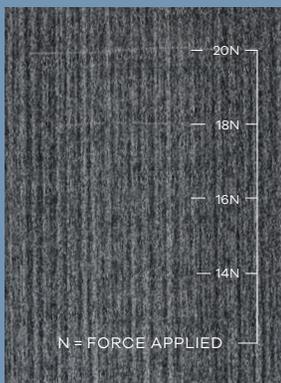
#### DURABILITY

### Outperforms in Scratch Resistance

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.

Quantum Guard Elite

Leading Competitor



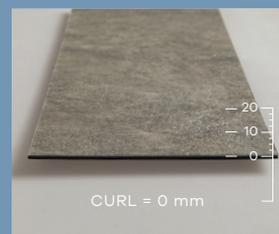
#### DURABILITY

### Best-in-Class Dimensional Stability

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.

Quantum Guard Elite

Leading Competitor



## Quantum Guard Elite® for Heterogeneous Sheet

Quantum Guard Elite elevates heterogeneous sheet performance with exceptional durability and easy maintenance. With the highest abrasion resistance in the industry, you can extend the life of your floors while simplifying product care.

- Engineered for ease of cleaning and reduced maintenance costs
- Highest abrasion resistance in the industry
- Advanced stain resistance
- Excellent slip resistance



### PRODUCT CARE

## Cleans Better Than Competitors

Results after 10 passes with a wet microfiber mop on soiled floor.

**Quantum Guard Elite**  
10 Passes



**Leading Competitor**  
10 Passes



### DURABILITY

## Highest Abrasion Resistance in the Industry

Results after 50 passes with sanding block.

**Quantum Guard Elite**  
50 Passes



**Leading Competitor**  
50 Passes



### DURABILITY

## Advanced Stain Resistance

Results after 1,000 passes with a sanding block, staining with a blue Sharpie and cleaning with an alcohol wipe.

**Quantum Guard Elite**  
1,000 Passes



**Leading Competitor**  
1,000 Passes



## Quantum Guard Elite® for Homogeneous Sheet

Quantum Guard Elite enhances our homogeneous sheet with advanced protection against stains, slips, and fading. The result is a cleaner, safer flooring product that stands up to constant use while maintaining its color and integrity over time.

- Engineered to trap less dirt, delivering ease of cleaning and reduced maintenance costs
- Industry-leading stain resistance outperforms competing products
- Excellent slip resistance for enhanced safety
- Advanced light resistance keeps colors beautiful



### PRODUCT CARE

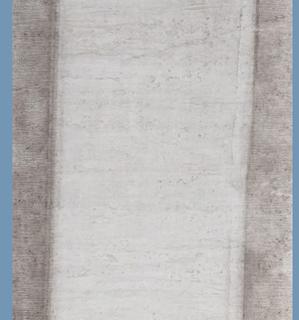
## Cleans Better Than Competitors

Results after 10 passes with a wet microfiber mop on soiled floor.

Quantum Guard Elite  
10 Passes



Leading Competitor  
10 Passes



### DURABILITY

## Industry-Leading Stain Resistance

Results after applying multiple medical staining agents to flooring, waiting one hour and wiping with an alcohol wipe.

Quantum Guard Elite



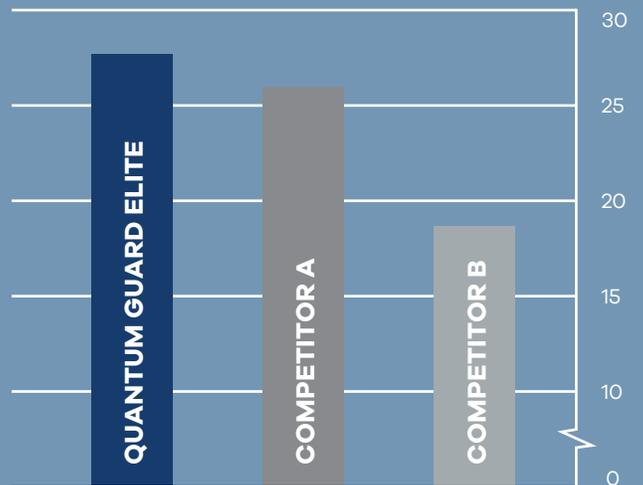
Leading Competitor



### DURABILITY

## Excellent Slip Resistance

Results from testing with the British Pendulum Tester, ASTM E303.



British Pendulum Number





PRODUCT CARE

## Simpler Product Care = Lower Lifecycle Costs

Maintaining floors with Quantum Guard Elite® is simple by design. Advanced urethane chemistry and an aluminum-oxide finish create a dense, non-porous surface that resists abrasion and staining, so you spend less on labor, products, and upkeep that drive up long-term costs.

- **No Polish Required:** The UV-cured urethane finish retains its appearance and gloss, even in high-traffic areas, eliminating the need for polishing or refinishing.
- **Fewer Chemicals:** Stain-resistant formulation allows daily cleaning with neutral cleaners instead of harsh detergents or sealants.
- **Consistent Product Care:** Our LVT and resilient sheet products use the same surface technology, allowing you to standardize tools, products, and training for maintenance.
- **Longer Life:** Abrasion-resistant coating extends the intervals between deep cleans or replacement.

## Performance Backed by Mannington Commercial

Every product with Quantum Guard Elite technology is crafted to perform—and proven to last. That promise is reinforced by our Limited Quantum Guard Elite Wear Warranty and Limited Commercial Warranty, which protect your investment and give you confidence that your floor will look and perform its best for years to come.

Explore more about Mannington Commercial's approach to Materiality at [manningtoncommercial.com](https://manningtoncommercial.com).

**Mannington**<sup>®</sup>  
COMMERCIAL

