Paradigm II Collection

Mannington COMMERCIAL

Cover: Flow - Vanguard PD319, Purpose PD316
Above: Flow - Origin PD310, **Chandler Oak** - Tallulah MSC112

Intersect -Exemplar PD113, Model PD114, **Streamline** - Exemplar PD213

Streamline - Foundation PD211, **Intersect** - Foundation PD111, **English Walnut** - Kelen 5684R

Streamline - Precedent PD217, Archetype PD218, **Flow** - Purpose PD316, **Inertia** - Surface 82361

QUANTUM GUARD® *elite*

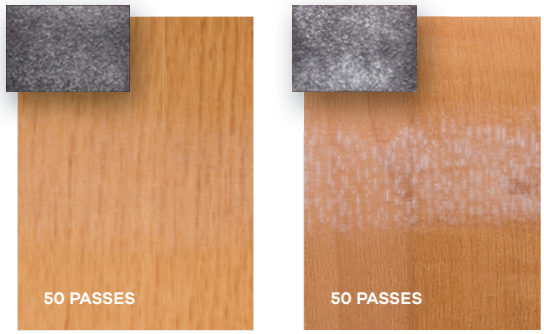
Success Is in Our Science

Introducing Quantum Guard Elite, the patent-pending technology that provides the complete performance solution for resilient sheet flooring.

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

Best-in-Class Abrasion Resistance

Quantum Guard Elite | Leading Competitor



Our proprietary blend of aluminum oxide particles is suspended evenly through the urethane top coat, giving the industry's best abrasion resistance. *(Results after 50 passes with sanding block.)*

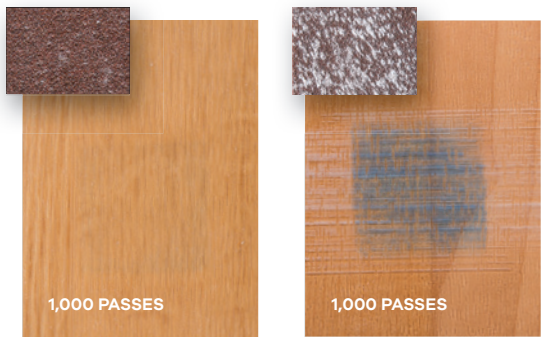
Cleans Better Than Competitors

Quantum Guard Elite | Leading Competitor

Advanced urethane chemistry and an optimized texture make resilient sheet with Quantum Guard Elite easy to clean. *(Results after 10 passes with a wet microfiber mop on soiled floor.)*

Stain Resistance That Endures

Quantum Guard Elite | Leading Competitor



With new protective compounds from the aerospace industry and dentistry, Quantum Guard Elite's stain resistance performs over time at the same high level as the day it was installed. *(Results after 1,000 passes with a sanding block, staining with a blue Sharpie and cleaning with an alcohol wipe.)*

Warranted to Work

Products with Quantum Guard Elite feature our Limited Quantum Guard Elite Wear Warranty and Limited Commercial Warranty.

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Style	Flow, Intersect, Streamline
Classification	ASTM F1303 Type I, Grade 1, Class B
Construction	Heterogeneous Sheet (Non-ortho phthalate construction)
Total Thickness	0.080" (2.03 mm)
Wear Layer Thickness	0.020" (.51 mm)
Finish	Quantum Guard® Elite
Width	6' (1.83m), 9' (2.75 m), 12' (3.66m)
Colors	10 each style
Pattern Repeat	36"L x 72"W
Packaging	6' - 30-50 yd^2 (25.0-41.8 m^2)
	9' - 30-75 yd^2 (25.0-62.7 m^2)
	12' - 30-100 yd^2 (25.0-83.6 m^2)
Weight	4.7 lbs/yd^2 (2.55 kg/m^2)
Adhesive	**Porous and Non-Porous Substrates:**
	V-88 Full Spread, Transitional Pressure Sensitive, High Moisture
	V-95 Full Spread, 2-part Epoxy
	XpressStep for LVT & Sheet Vinyl, Full Coverage Spray
	Porous Substrates Only:
	V-82 Full Spread, Acrylic Base
	Note: Must use V-95 or XpressStep adhesive 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.
Seam Method	Mannington Commercial Weld Rods or MLG-33 Chemical Seam Sealer. Mannington Seam Coater Pen for high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic applications.

Testing	
HUD/FHA	Meets or Exceeds
ADAG (American Disability Act Guidelines)	Passes
Flexibility (ASTM F137)	Passes - 1/4" Mandrel - No Crack/Break
Static Load (ASTM F970)	Passes - Residual Indent ≤ 0.005"
Static Load (ASTM F970 mod.)	Passes - 2,000 PSI; Residual Indent ≤ 0.005"
Rolling Resistance/Caster Chair (ISO 4918)	25,000 Cycles, No Significant Change
Short Term Residual Indentation (ASTM F1914/F1303)	Passes - Must be < 0.012"
Flooring Radiant Panel (ASTM E648)	Passes - Class 1; ≥ 0.45 watts/cm^2
Smoke Density (ASTM E662)	Passes - ≤ 450
Slip Resistance (ASTM C1028, Dry)	Passes - ≥ 0.5 Leather; 0.6 Rubber
Acoustic IIC (ASTM E492)	50 - 6" Concrete with Drop Ceiling
Acoustic STC (ASTM E90)	63 - 6" Concrete with Drop Ceiling
Resistance to Light (ASTM F1515)	Passes - < 8 Delta E Color Change
Chemical Resistance (ASTM F925)	Passes - No More Than Slight Change
Resistance to Heat (ASTM F1514)	Passes - < 8 Delta E Color Change
Resistance to Mold/Mildew (ASTM G21/E2180)	Passes - No More Than Slight Change

Environmental Data	
Indoor Air Quality	FloorScore Certified; CDPH v1.1-2010
Product Declarations	EPD
LEED Scoreboard	May contribute to LEED credits:
	LEED 2009: MRc5 Regional Materials; IEQ4.1 Low Emitting Adhesives; IEQ4.3 Low Emitting Materials - Flooring
	LEED v4: Building Product Disclosure & Optimization - EPDs; IEQc2 - Low Emitting Materials
mindful MATERIALS	Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information
Manufacturing	Salem, NJ (USA) - ISO 14001 EMS Registered

Warranty	
	Limited 10 Year Commercial Warranty
	Limited 10 Year Quantum Guard® Elite Wear Warranty

Note: Visual/Color variations can occur from roll to roll. This variation does not affect product performance.