



City Hub Collection

**Mannington**  
COMMERCIAL





The City Hub Collection is inspired by the town square, a vibrant place where people gather to meet all kinds of daily needs, from business and healthcare to shopping and relaxing. Like the town square, City Hub is an expression of community: this resilient sheet collection features wood, stone and textile patterns that can be mixed and matched for unique flooring designs, in a palette that will fit any aesthetic.





Cover: Barrel Oak - Loire 4424, Textile - Flax 4621  
Above: Dunham - Quartz 4522, Ridgewood - Red Maple 4454





Quantum Guard Pro provides exceptional results in the key performance areas of cleanability, stain protection and wear resistance, keeping your sheet flooring looking better, longer.

### Easy to Clean

Combined with the sheet's subtle texture, Quantum Guard Pro is engineered for ease of cleaning. No polish needed.

### Advanced Resistance to Stains

New urethane chemistry gives better protection from stains – even from difficult staining agents.

### Advanced Resistance to Abrasion

New configuration of tough aluminum oxide particles provides continuous resistance to abrasion.

---

One of the highest-performing enhanced urethanes in the industry.

---

### The Quantum Guard Pro Advantage

Quantum Guard Pro is specifically engineered to protect your flooring investment while saving you time and money on maintenance costs. The result? An easy-care floor with long-lasting beauty that will enhance your space for years to come.

#### Cleanability



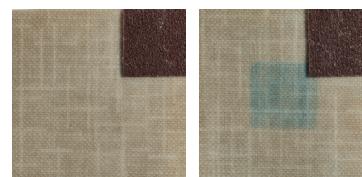
Quantum Guard Pro Soiled



Quantum Guard Pro After Cleaning

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

#### Stain and Abrasion Resistance



Quantum Guard Pro

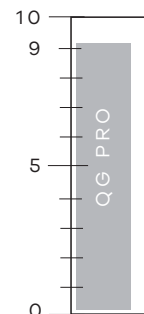


Leading Competitor

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

#### Mohs Hardness Scale

- 10 – Natural diamond
- 9 – QG Pro
- 7 – Quartz
- 2 – Urethane without aluminum oxide





**City Hub Collection**

Style	Barrel Oak, Ridgewood	Dunham	Textile
Construction	Heterogeneous Sheet (Non-ortho phthalate construction)	Heterogeneous Sheet (Non-ortho phthalate construction)	Heterogeneous Sheet (Non-ortho phthalate construction)
Classification	ASTM F1303 Type I, Grade 1, Class B	ASTM F1303 Type I, Grade 1, Class B	ASTM F1303 Type I, Grade 1, Class B
Total Thickness	0.080" (2.03 mm)	0.080" (2.03 mm)	0.080" (2.03 mm)
Wear Layer Thickness	0.020" (0.51 mm)	0.020" (0.51 mm)	0.020" (0.51 mm)
Wear Layer	Quantum Guard Pro®	Quantum Guard Pro®	Quantum Guard Pro®
Width	6' (1.83 m), 12' (3.66 m)	6' (1.83 m), 12' (3.66 m)	6' (1.83 m), 12' (3.66 m)
Colors	4 each style	4	4
Pattern Repeat	48" L x 48" W (1.22 x 1.22 m)	36" L x 36" W (0.91 x 0.91 m)	36" L x 72" W (0.91 x 1.83 m)
Packaging	6' - 30-50 yd <sup>2</sup> (25.0-41.8 m <sup>2</sup> ) 12' - 30-100 yd <sup>2</sup> (25.0-83.6 m <sup>2</sup> )	6' - 30-50 yd <sup>2</sup> (25.0-41.8 m <sup>2</sup> ) 12' - 30-100 yd <sup>2</sup> (25.0-83.6 m <sup>2</sup> )	6' - 30-50 yd <sup>2</sup> (25.0-41.8 m <sup>2</sup> ) 12' - 30-100 yd <sup>2</sup> (25.0-83.6 m <sup>2</sup> )
Weight	4.90 lbs/yd <sup>2</sup> (2.66 kg/m <sup>2</sup> )	4.90 lbs/yd <sup>2</sup> (2.66 kg/m <sup>2</sup> )	4.90 lbs/yd <sup>2</sup> (2.66 kg/m <sup>2</sup> )
Adhesive	<b>Porous &amp; Non-porous Substrates:</b> <b>V-88</b> Full Spread <b>V-95</b> Full Spread, 2-part Epoxy <b>XpressStep</b> for LVT & Sheet Vinyl Full Coverage Spray <b>Porous Substrates Only:</b> <b>V-82</b> Full Spread Note: Must use V-95, MoistureLoc, QuickStix 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 QuickStix should be used.		
QuickStix®	Available with QuickStix® pre-applied adhesive, reducing time and labor required to install the flooring.		
Seam Method	QuickStix® floors can be used immediately after installation, even in extreme moisture areas. 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.		
<b>Testing</b>			
HUD/FHA	Meets / 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 - 1,500 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 <sup>2</sup>		
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		
<b>Environmental Data</b>			
Indoor Air Quality	FloorScore Certified; CDPH v1.1-2010		
Product Declarations	EPD, HPD		
LEED	May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - IEQc2 - Low Emitting Materials		
mindful MATERIALS	Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information		
Manufacturing	Salem, NJ (USA)- ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		
<b>Warranty</b>			
Limited 10-Year Commercial Warranty			

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