

**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 HP®	Quantum Guard HP®	Quantum Guard HP®
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 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. QuickStix® floors can be used immediately after installation, even in extreme moisture areas.		
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.		
<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 <a href="http://mindfulmaterials.com">mindfulmaterials.com</a> 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.