

## Realities® III Collection

### Style

Construction	Heterogeneous Sheet (Non-ortho phthalate construction)
Classification	ASTM F1303 Type I, Grade 1, Class B
Total Thickness	0.080" (2.03 mm)
Wear Layer Thickness	0.020" (0.51 mm)
Wear Layer	Quantum Guard Elite®
Width	6' (1.83 m), 9' (2.75 m), 12' (3.66 m)
Colors	48
Pattern Repeat	36" L x 72" W - Boardwalk, English Walnut, Ironside Oak, Maple Creek, Persian Walnut, Wild Cherry 48" L x 48" W - Maple Grove, Southern Oak 48" L x 72" W - Antique Oak
Packaging	6' - 30-50 yd <sup>2</sup> (25.0-41.8 m <sup>2</sup> ) 9' - 30-75 yd <sup>2</sup> (25.0-62.7 m <sup>2</sup> ) 12' - 30-100 yd <sup>2</sup> (25.0-83.6 m <sup>2</sup> )
Weight	4.7 lbs/yd <sup>2</sup> (2.55 kg/m <sup>2</sup> )
Adhesive	<b>Porous &amp; Non-porous Substrates:</b> <b>V-95</b> Full Spread, 2-part Epoxy <b>MoistureLoc</b> Full Spread, One-Component <b>V-88</b> Full Spread <b>XpressStep</b> for LVT & Sheet Vinyl Full Coverage Spray <b>Note:</b> 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.

### Testing

HUD/FHA	Meets / Exceeds
ADAG (American Disability Act Guidelines)	Passes
Flexibility (ASTM F790)	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 <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

### Environmental Data

Indoor Air Quality	FloorScore Certified; CDPH v1.1-2010
Product Declarations	EPD, HPD
Carbon Offset	105% (Cradle to Gate (A1-A3); 8.84 kg CO <sub>2</sub> e/yd <sup>2</sup> inclusive of additional 5%)
LEED	May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; 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

### Warranty

Limited 15-Year Commercial Warranty  
Limited 15-Year Quantum Guard Elite® Wear Warranty

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