

**BioSpec Armor®**

Style	BioSpec Armor
Construction	Homogeneous Sheet (Non-ortho phthalate construction)
Classification	ASTM F1913 Sheet Vinyl Floor Covering without Backing
Total Thickness	0.100" (2.54 mm)
Wear Layer	Quantum Guard Elite®
Width	6'6" (2 m)
Colors	24
Pattern Repeat	Random repeat, reverse sheet for seaming
Packaging	30 - 58 yd² (25.1 - 48.5 m²) (58 yd² roll is approx. 80 lineal feet) (packaging may differ for QuickStix®)
Weight	7.9 lbs/yd² (3.583 kg/m²)
Adhesive	<b>Porous &amp; Non-porous Substrates:</b> <b>V-88</b> Full Spread <b>V-95</b> Full Spread, 2-part Epoxy <b>MoistureLoc</b> Full Spread, One-Component <b>XpressStep</b> for LVT & Sheet Vinyl Full Coverage Spray <b>Note:</b> Must use V-95, MoistureLoc, QuickStix or XpressStep adhesive under stationary heavy point loads. 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 MCS-42 Chemical Seam Sealer with VST-96 Application Kit. 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 F137)	Passes - 1 1/2" Mandrel - No Crack/Break
Static Load (ASTM F970)	Passes - Residual Indent ≤ 0.005"
Static Load (ASTM F970 mod.)	Passes - 3,000 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 < 0.007"
Flooring Radiant Panel (ASTM E648)	Passes - Class 1; ≥ 0.45 watts/cm²
Smoke Density (ASTM E662)	Passes - ≤ 450
Slip Resistance (ASTM C1028, Dry)	Passes - ≥ 0.5 Leather; 0.6 Rubber
Acoustic IIC (ASTM E492)	52 - 6" Concrete with Drop Ceiling
Acoustic STC (ASTM E90)	61 - 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 v1.2-2017
Product Declarations	EPD, HPD
Carbon Offset	105% (Cradle to Gate (A1-A3); 7.91kg CO2e/yd²)
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.