Primary Elements® Collection

Mannington COMMERCIAL

Cover: Bond - Aura PE104, Cadmia PE103, Azure PE109, Beam PE112, Spar PE107, Helios PE113
Above: Structure - Aura PE124, Cadmia PE123, Selene PE128, Beam PE132, Spar PE127, Alumina PE139

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Style	Bond, Structure - 20 mil	Bond, Structure - 12 mil*
Construction	Luxury Vinyl Tile Non-ortho Phthalate	Luxury Vinyl Tile Non-ortho Phthalate
Classification	ASTM F1700 Class III, Type B	ASTM F1700 Class III, Type B
Total Thickness	0.098" (2.5 mm)	0.080" (2.0 mm)
Wear Layer Thickness	20 mil (0.51 mm)	12 mil (0.30 mm)
Wear Layer	Enhanced Urethane	Enhanced Urethane
Edge Treatment	Micro-bevel	Square
Sizes	12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)
Colors	20 each style	20 each style
Packaging	12" x 12" - 36 pcs, 36 ft^2 (3.345 m^2), 26.82 lbs (12.17 kg) 12" x 24" - 18 pcs, 36 ft^2 (3.345 m^2), 26.82 lbs (12.17 kg) Packaging may differ for QuickStix®	12" x 12" - 44 pcs, 44 ft^2 (4.088 m^2), 27.28 lbs (12.37 kg) 12" x 24" - 22 pcs, 44 ft^2 (4.088 m^2), 27.28 lbs (12.37 kg) Packaging may differ for QuickStix®
Adhesive	**Porous & Non-porous Substrates:** **V-95** Full Spread 2-part Epoxy **V-88** Full Spread, Transitional Pressure Sensitive, High Moisture **XpressStep** for LVT & Sheet Vinyl Full Coverage Spray **XpressStep Premium** for LVT Full Coverage High Moisture Spray **Porous Substrates Only:** **V-82** Full Spread **Note:** Must use V-95, XpressStep or XpressStep Premium adhesive under hospital beds and heavy rolling load areas. Use V-95 where higher risk of topical moisture would be a concern.	
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.	
Installation Method	All arrows in the same direction. Tiles should be installed block or staggered; when quarter turned, arrows should alternate.	

Testing	
HUD/FHA	Passes
Flexibility (ASTM F137)	Passes - 1" Mandrel - No Crack/Break
Dimensional Stability (ASTM F2199)	Passes - Max 0.020 in/lin ft
Squareness (ASTM F540)	Passes - Max 0.010"
Static Load (ASTM F970 mod.)	Passes - 1,500 PSI; Residual Indent ≤ 0.005"
Residual Indentation (ASTM F1914)	Passes - < 8% Avg / 10% Single Value
Flooring Radiant Panel (ASTM E648)	Passes - Class 1; ≥ 0.45 watts/cm^2
Smoke Density (ASTM E662)	Passes - ≤ 450
Slip Resistance (ASTM C1028)	Passes - ≥ 0.5 Leather; 0.6 Rubber
Resistance to Light (ASTM F1515)	Passes
Chemical Resistance (ASTM F925)	Passes
Resistance to Heat (ASTM F1514)	Passes

Environmental Data	
Indoor Air Quality	FloorScore Certified; CDPH v1.12010
Product Declarations	EPD, HPD
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; Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials
mindful MATERIALS	Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information.
Manufacturing	Madison, GA (USA) - ISO 14001 EMS & ISO 9001 QMS Registered

Warranty	
	20 mil Products - Limited 10 Year Commercial Warranty 12 mil Products - Limited 10 Year Light Commercial Warranty

* 2,000 ft^2 min