Mannington COMMERCIAL

Onward 12

Style	**Onward 12** Wood & Stone
Construction	Luxury Vinyl Tile Non-ortho Phthalate
Classification	ASTM F1700 Class III, Type B
Total Thickness	0.08" (2.0 mm)
Overall Thickness	12 mil (0.30 mm)
Wear Layer	Enhanced Urethane
Edge Treatment	Unbeveled
Sizes	6" x 36" (152 x 915 mm) 18" x 18" (457 x 457 mm) Sizes are style dependent; refer to Product Availability Chart
Colors	12 Wood, 4 Stone
Packaging	6" x 36" - 40 pcs, 60 ft^2 (5.574 m^2), 44.7 lbs (20.28 kg) 18" x 18" - 16 pcs, 36 ft^2 (3.344 m^2), 26.82 lbs (12.17 kg)
Adhesive	**Porous & Non-porous Substrates:** **V-88** Full Spread **MoistureLo**c Full Spread, One Component **V-95** Full Spread, 2-part Epoxy **XpressStep** for LVT & Sheet Vinyl Full Coverage Spray **Note:** Must use V-95, MoistureLoc, or XpressStep adhesive under heavy rolling load areas. This product is not recommended under hospital beds. In more abusive conditions such as areas subject to dragging force, direct sunlight or where topical moisture would be a concern, only V-95 or MoistureLoc should be used.
Installation Method	All arrows in the same direction. Planks should have end joints offset by at least 6" and staggered to create a random appearance. 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 - 1,000 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	
Rapidly Renewable Content	Contains 3% rapidly renewable resource content
Indoor Air Quality	FloorScore Certified; CDPH v1.2-2017
Product Declarations	Third Party Verified EPD, HPD
Carbon Offset	105% Cradle to Gate (A1-A3), visit website for more information
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 mindfulmaterials.com for current transparency information
Manufacturing	Madison, GA (USA) - ISO 14001 EMS & ISO 9001 QMS Registered,+Vantage Vinyl Verified Silver

Warranty	
	Onward 12: Limited 10-Year Light Commercial Warranty