

PHYSICAL PROPERTIES & PACKAGING – PLANK (DRYBACK - 2.5MM GAUGE / 0.5MM WEAR LAYER)

Collections	Design	Emboss	Design	Emboss
	Alleyway Coastal Oak Oak Framing	Linen Saw Cut Natural Timber	Clean Oak San Marcus Oak	In-Register In-Register
Size	7" x 48" (177.8mm x 1219.2mm)		9" x 60" (228.6mm x 1524mm)	
Construction	Solid Vinyl Tile/LVT		Solid Vinyl Tile/LVT	
Use	Commercial & Residential		Commercial & Residential	
Wear Layer	20 mil (0.5mm)		20 mil (0.5mm)	
Edge Detail	Micro-Bevel Edge		Micro-Bevel Edge	
Finish	FX ³ Surface Protectant with Ultra-Fresh		FX ³ Surface Protectant with Ultra-Fresh	
Gauge	0.098" (2.5mm)		0.098" (2.5mm)	
Pieces/Carton	16		10	
Coverage/Piece	2½ Sq.Ft. (0.216 Sq.M.)		3.75 Sq.Ft. (0.348 Sq.M.)	
Coverage/Carton	37½ Sq.Ft. (3.46 Sq.M.)		37.5 Sq.Ft. (3.48 Sq.M.)	
Coverage/Pallet	70 Cartons / Pallet (2,613½ Sq.Ft. / 242.78 Sq.M.)		60 Cartons / Pallet (2,250 Sq.Ft. / 209.03 Sq.M.)	
Coverage/Container	16 Pallets / Container (41,813½ Sq.Ft. / 3,884.58 Sq.M.)		20 Pallets / Container (45,000 Sq.Ft. / 4,180.63 Sq.M.)	
Limited Warranty	Commercial: 15 Years / Residential: Limited Lifetime		Commercial: 15 Years / Residential: Limited Lifetime	

PHYSICAL PROPERTIES & PACKAGING – TILE (DRYBACK - 2.5MM GAUGE / 0.5MM WEAR LAYER)

Collections	Design	Emboss	Design	Emboss
	Belgium Weave	Linen	Smooth Concrete	Rough Concrete
Size	16" x 32" (406.4mm x 812.8mm)		24" x 24" (609.6mm x 609.6mm)	
Construction	Solid Vinyl Tile/LVT		Solid Vinyl Tile/LVT	
Use	Commercial & Residential		Commercial & Residential	
Wear Layer	20 mil (0.5mm)		20 mil (0.5mm)	
Edge Detail	Square Edge		Micro-Bevel Edge	
Finish	FX ³ Surface Protectant with Ultra-Fresh		FX ³ Surface Protectant with Ultra-Fresh	
Gauge	0.098" (2.5mm)		0.098" (2.5mm)	
Pieces/Carton	10		9	
Coverage/Piece	3 ⁵ / ₉ Sq.Ft. (0.330 Sq.M.)		4 Sq.Ft. (0.371 Sq.M.)	
Coverage/Carton	35 ⁵ / ₉ Sq.Ft. (3.30 Sq.M.)		36 Sq.Ft. (3.34 Sq.M.)	
Coverage/Pallet	56 Cartons / Pallet (1,991 ¹ / ₉ Sq.Ft. / 184.98 Sq.M.)		20 Cartons / Pallet (720 Sq.Ft. / 66.89 Sq.M.)	
Coverage/Container	24 Pallets / Container (47,786 ² / ₃ Sq.Ft. / 4,439.52 Sq.M.)		62 Pallets / Container (44,640 Sq.Ft. / 4,147.19 Sq.M.)	
Limited Warranty	Commercial: 15 Years / Residential: Limited Lifetime		Commercial: 15 Years / Residential: Limited Lifetime	

STANDARDS – MANUFACTURING & USAGE (ASTM F1700)

Standard	Description	Requirements	Results
ASTM F1700	Classification	Refer to Standard	Class III, Type B
ASTM F386	Thickness	Tolerance: ±0.005" vs. Specification	Passes Requirements
ASTM F410	Wear Layer Thickness	Commercial Classification: ≥ 20mil (0.5mm)	Passes Requirements
ASTM F1914	Residual Indentation	Average <8%; Maximum - Any Sample ≤10%	Surpasses Requirements
ASTM F137	Flexibility	No cracks/breaks (1"/25.4mm Mandrel)	Surpasses Requirements
ASTM F2199	Dimensional Stability	≤0.020"/Linear Foot	Surpasses Requirements
ASTM F925	Chemical Resistance	No more than "Slight Change"	Surpasses Requirements
ASTM F1514	Resistance to Heat	Average & Max ΔE < 8.0	Surpasses Requirements
ASTM F1515	Resistance to Light	Average & Max ΔE < 8.0	Surpasses Requirements

STANDARDS – SAFETY & PERFORMANCE

Standard	Description	Requirements	Results
ASTM E648	Critical Radiant Flux (Radiant Panel)	Class I: $\geq 0.45 \text{ W/cm}^2$	Passes Requirements ¹
ASTM E662	Smoke Density	Flaming & Non-Flaming ≤ 450	Passes Requirements ²
CDPH/EHLB Standard Method v1.2	VOCs/TVOCs, Formaldehyde	Refer to Standard	Passes Requirements
REACH SVHC 183	Substances of Very High Concern	Per Substance: $\leq 0.1\% \text{ w/w}$ (weight/weight)	Passes Requirements
ASTM F963	Heavy Metals	Refer to Standard	Passes Requirements
ASTM D7823 / CPSC-CH-C1001-09.3	Phthalates	Refer to CPSIA ³	Passes Requirements
ASTM G21	Antifungal Activity	N/A (No Official Requirements)	Top & Bottom Surfaces: 0 (No Growth)
ASTM D2047	Coefficient of Friction / Slip Resistance	N/A (No Official Requirements)	≥ 0.6 (Dry)
ANSI ESD STM97.2	Body Voltage	N/A (No Official Requirements)	Average (Abs): $\leq 2.0\text{kV}$
ASTM F970	Static Load	$\pm 0.005"$, 250-Lbs. Load	Passes Requirements
SIM Test	Static Load Limit	Test to Limit ($\pm 0.005"$)	$\geq 1,000$ psi
ASTM D4060	Abrasion Resistance	N/A (No Official Requirements)	Average: $\geq 20,000$ cycles

STANDARDS – SOUND

Standard	Description	Results Apply To	Assembly	IBC Requirements ⁴	Results
ASTM E90 & ASTM E413	Airborne Sound Transmission Loss of Building Partitions and Elements (STC / Sound Transmission Class)	Metroflor® LVT + Prevail® GDP	6" Concrete Slab	STC ≥ 50	STC 51 (Surpasses Requirements)
			6" Concrete Slab + Drop-Ceiling	STC ≥ 50	STC 61 (Surpasses Requirements)
ASTM E492 & ASTM E989	Impact Sound Transmission Through Floor-Ceiling Assemblies (IIC / Impact Insulation Class)	Metroflor® LVT + Prevail® GDP	6" Concrete Slab	IIC ≥ 50	IIC 50 (Passes Requirements)
			6" Concrete Slab + Drop-Ceiling	IIC ≥ 50	IIC 70 (Surpasses Requirements)
ASTM E2179 & ASTM E989	Effectiveness of Floor Coverings in Reducing Impact Sound Transmission (Δ IIC / Δ Impact Insulation Class)	Metroflor® LVT + Prevail® GDP	6" Concrete Slab	N/A	Δ IIC 21
		Metroflor® LVT	6" Concrete Slab	N/A	Δ IIC 14

Footnotes

- 1) ASTM E648 - Critical Radiant Flux (Radiant Panel): Passes Requirements for Class I per International Building Code (IBC) 2018 & NFPA 101 Life Safety Code
- 2) ASTM E662 - Smoke Density: 450 is the limit established by many state, county, and/or local building and/or fire codes, but is not set as a limit for (resilient) flooring products nationwide. Thus, Smoke Density requirements for flooring products may vary from jurisdiction to jurisdiction. Consult your building inspector / fire marshal to learn more.
- 3) CPSIA = Consumer Product Safety Improvement Act
- 4) IBC = International Building Code

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