



**PHYSICAL PROPERTIES & PACKAGING (LUXURY VINYL TILE FLOORING – 2.5 MM GAUGE / 22MIL WEAR LAYER)**

Collections (Embossing) <sup>1</sup>	<b>Woods - Patterned Flooring</b> <ul style="list-style-type: none"> <li>Alpine Ridge (Sawcut)</li> <li>Shipwright (In-Register)</li> </ul>	<b>Woods</b> <ul style="list-style-type: none"> <li>Alpine Ridge (Sawcut)</li> <li>Shipwright (In-Register)</li> </ul> <b>Ornamental - Damask</b> <ul style="list-style-type: none"> <li>Alpine Ridge (Sawcut)</li> <li>Shipwright (In-Register)</li> </ul> <b>Ornamental - Malta</b> <ul style="list-style-type: none"> <li>Alpine Ridge (Sawcut)</li> <li>Shipwright (In-Register)</li> </ul>	<b>Woods</b> <ul style="list-style-type: none"> <li>Coventry (Natural Timber)</li> <li>Loft Wood (Barnside)</li> </ul>
Use	Commercial	Commercial	Commercial
Size	4 x 24 in (101.6 x 609.6 mm)	7.87 x 48.11 in (200 x 1222 mm)	9 x 60 in (228.6 x 1524 mm)
Thickness – Overall	2.5 mm (0.098 in)	2.5 mm (0.098 in)	2.5 mm (0.098 in)
Thickness – Wear Layer	22 mil (0.55 mm)	22 mil (0.55 mm)	22 mil (0.55 mm)
Profile	Micro-bevel edge	Square edge	Micro-bevel edge
Finish	Urethane with ceramic bead particles	Urethane with ceramic bead particles	Urethane with ceramic bead particles
Coverage – Carton	36 pieces (24 sq.ft / 2.23 sq.m)	12 pieces (31.6 sq.ft / 2.93 sq.m)	10 pieces (37.5 sq.ft / 3.48 sq.m)
Coverage – Pallet	48 cartons (1,152 sq.ft / 107.0 sq.m)	40 cartons (1,262.4 sq.ft / 117.2 sq.m)	60 Cartons (2,250 sq.ft / 208.8 sq.m)
Coverage – Container	39 pallets (44,928 sq.ft / 4,174 sq.m)	36 pallets (45,446 sq.ft / 4,219 sq.m)	20 pallets (45,000 sq.ft / 4,176 sq.m)
Limited Warranty (Commercial)	20-year material (100%) 10-year labor (pro-rated)	20-year material (100%) 10-year labor (pro-rated)	20-year material (100%) 10-year labor (pro-rated)

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Collection (Embossing) <sup>1</sup>	<b>Stone &amp; Masonry</b> <ul style="list-style-type: none"> <li>Manor Stone (Satin)</li> </ul>	<b>Stone &amp; Masonry</b> <ul style="list-style-type: none"> <li>Highland Step (Satin)</li> </ul>	<b>Stone &amp; Masonry</b> <ul style="list-style-type: none"> <li>Midtown (Textured Concrete)</li> <li>Midtown Prism (Textured Concrete)</li> </ul> <b>Ornamental - Masquerade</b> <ul style="list-style-type: none"> <li>Midtown (Textured Concrete)</li> <li>Midtown Prism (Textured Concrete)</li> </ul> <b>Ornamental - Damask</b> <ul style="list-style-type: none"> <li>Midtown (Textured Concrete)</li> <li>Terrazzo<sup>2</sup> (Concrete Emboss)</li> </ul>
Use	Commercial	Commercial	Commercial
Size	12 x 36 in (304.8 x 914.4 mm)	18 x 18 in (457.2 x 457.2 mm)	24 x 24 in (609.6 x 609.6 mm)
Thickness – Overall	2.5 mm (0.098 in)	2.5 mm (0.098 in)	2.5 mm (0.098 in)
Thickness – Wear Layer	22 mil (0.55 mm)	22 mil (0.55 mm)	22 mil (0.55 mm)
Profile	Micro-bevel edge	Micro-bevel edge	Square edge
Finish	Urethane with ceramic bead particles	Urethane with ceramic bead particles	Urethane with ceramic bead particles <sup>2</sup>
Coverage – Carton	12 pieces (36 sq.ft / 3.34 sq.m)	16 pieces (36 sq.ft / 3.34 sq.m)	9 pieces (36 sq.ft / 3.34 sq.m)
Coverage – Pallet	45 cartons (1,620 sq.ft / 150.3 sq.m)	48 cartons (1,728 sq.ft / 160.3 sq.m)	20 cartons (720 sq.ft / 66.8 sq.m)
Coverage – Container	28 pallets (45,360 sq.ft / 4,208 sq.m)	26 pallets (44,928 sq.ft / 4,168 sq.m)	61 pallets (43,920 sq.ft / 4,074.8 sq.m) <sup>2</sup>
Limited Warranty (Commercial)	20-year material (100%) 10-year labor (pro-rated)	20-year material (100%) 10-year labor (pro-rated)	20-year material (100%) 10-year labor (pro-rated)



**STANDARDS – MANUFACTURING & USAGE (ASTM F1700)**

Standard	Description	Requirements	Results
ASTM F1700	Classification	Refer to standard	Class III, Type B
ASTM F1700	Physical Characteristics / Tolerances	Refer to standard	Passes requirements <sup>3</sup>
ASTM F2199	Dimensional Stability	≤ 0.020 in/lin.ft (0.51 mm/306 mm)	Passes requirements
ASTM F137	Flexibility	No crack or break, 1-in (25.4-mm) mandrel	Passes requirements
ASTM F1914	Residual Indentation	Ave < 8%; max ≤ 10%	Passes requirements
ASTM F925	Chemical Resistance	No more than "Slight Change"	Passes requirements
ASTM F1514	Resistance to Heat	Ave ΔE < 8.0	Passes requirements
ASTM F1515	Resistance to Light	Ave ΔE < 8.0	Passes requirements

**STANDARDS – SAFETY & PERFORMANCE**

Standard	Description	Requirements	Results
ASTM E648	Radiant Panel (Critical Radiant Flux)	Class I: ≥ 0.45 W/sq.cm	Passes requirements <sup>4</sup>
ASTM E662	Smoke Density	Flaming & non-flaming: ≤ 450	Passes requirements <sup>5</sup>
CAN/ULC S102.2	Surface Burning Characteristics, Canada	Use dependent	FSR (Flame Spread Rating) <sup>6</sup> 15 SDC (Smoke Developed Classification) <sup>6</sup> 150
CDPH/EHLB Std Method 1.2	VOCs/TVOCs, Formaldehyde	Refer to standard	Passes requirements
REACH SVHC 168	Substances of Very High Concern	Refer to standard	Passes requirements
ASTM F963	Heavy Metals	Refer to standard	Passes requirements
CPSC-CH-C1001-09.3	Phthalates	Per CPSIA <sup>7</sup> : ≤ 0.1% per substance	Passes requirements
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): 0.67 kV
ASTM F970	Static Load	N/A (no official requirements)	0.005 in (0.13 mm), ≥ 1,000 psi
ASTM D4060	Abrasion Resistance	N/A (no official requirements)	≥ 20,000 cycles

**STANDARDS – SOUND**

Assembly	ASTM E90	ASTM E492	ASTM E2179	Results (Remarks)
6-In Concrete Slab	STC <sup>8</sup> 51	IIC <sup>8</sup> 50	ΔIIC <sup>8</sup> 21 ΔIIC <sup>9</sup> 14	Tested assemblies pass International Building Code (IBC) requirements of STC ≥ 50 and IIC ≥ 50 for multi-story dwellings
6-In Concrete Slab + Drop-Ceiling	STC <sup>8</sup> 61	IIC <sup>8</sup> 70	Not applicable	

**Notes**

- 1) Series & Collections: All Alpine Ridge and Shipwright are available in 7.87 x 48.11 in (200 x 1222 mm), while Select Patterns from those collections are available in 4 x 24 in (101.6 x 609.6 mm).
- 2) Terrazzo Collection: Duraspect™ surface protectant finish, 28 pallets/container (20,160 sq.ft / 1,873 sq.m).
- 3) ASTM F1700 – Physical Characteristics / Tolerances: Include Size, Squareness, Thickness, and Wear Layer Thickness (Commercial Class).
- 4) ASTM E648 – Critical Radiant Flux (Radiant Panel): Passes Requirements for Class I per International Building Code (IBC) 2018 & NFPA 101 Life Safety Code.
- 5) ASTM E662 – Smoke Density: 450 is the limit established by many states, counties, and/or local building and/or fire codes in the United States 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.
- 6) CAN/ULC S102.2 – Surface Burning Characteristics, Canada: Results obtained when installed with Prevail® 4000 2-Part Epoxy Adhesive or Prevail® 6000 PSA (Pressure Sensitive Adhesive).
- 7) CPSIA = Consumer Product Safety Improvement Act.
- 8) Test Assembly: Aspecta Contract™ One with Prevail® GDP (Glue-Down Pad).
- 9) Test Assembly: Aspecta Contract™ One.