



## Solid Core TECHNICAL DATA SHEET

### PHYSICAL PROPERTIES (FLOATING SOLID CORE FLOORING) – 4.8MM GAUGE / 6ML WEAR LAYER

Collection	Plank	Plank	Plank	Tile
Size	7.48" x 47.64" (190mm x 1210mm)	7.09" x 47.64" (180mm x 1210mm)	6" x 42" (152.4mm x 1066.8mm)	12" x 23.82" (304.8mm x 605mm)
Overall Gauge	4.8mm (0.189")	4.8mm (0.189")	4.8mm (0.189")	4.8mm (0.189")
Wear Layer	6mil (0.15mm)	6mil (0.15mm)	6mil (0.15mm)	6mil (0.15mm)
Core	4.0mm (0.157") Solid Core	4.0mm (0.157") Solid Core	4.0mm (0.157") Solid Core	4.0mm (0.157") Solid Core
Pad	0.8mm (0.031") PE	0.8mm (0.031") PE	0.8mm (0.031") PE	0.8mm (0.031") PE
Use	Residential and Light Commercial	Residential and Light Commercial	Residential and Light Commercial	Residential and Light Commercial
Profile	Painted Bevel	Square Edge	Square Edge	Painted Bevel
Finish	Enhanced Ceramic Bead	Enhanced Ceramic Bead	Enhanced Ceramic Bead	Enhanced Ceramic Bead
Embossing(s)	Natural Timber	Natural Timber	Natural Timber	Coral
Coverage/Cartron	10 pieces – 24.7 Sq.Ft. (2.3 Sq.M.)	10 pieces – 23.4 Sq.Ft. (2.2 Sq.M.)	14 pieces – 24.5 Sq.Ft. (2.3 Sq.M.)	10 pieces – 19.8 Sq.Ft. (1.8 Sq.M.)
Limited Warranty	Lifetime Residential and 5-Year Light Commercial	Lifetime Residential and 5-Year Light Commercial	Lifetime Residential and 5-Year Light Commercial	Lifetime Residential and 5-Year Light Commercial

### STANDARDS – MANUFACTURING & USAGE (ASTM F3261)

Standard	Description	Requirements	Results
ASTM F3261	Physical Characteristics / Tolerances	Refer to Standard	Passes Requirements <sup>1</sup>
ASTM F1914	Residual Indentation	Average: $\leq 0.007"$ (0.18mm)	Passes Requirements
ASTM F1914	Surface Integrity	No puncture into rigid core	Passes Requirements
ISO 23999	Dimensional Stability	$\leq 0.25%$ / lineal ft. (305 mm)	Passes Requirements
ISO 23999	Curling	$\leq 0.080"$ (2.0mm)	Passes Requirements
ASTM F925	Chemical Resistance	No more than "Slight Change"	Passes Requirements
ASTM F1514	Resistance to Heat	Average $\Delta E < 8.0$	Passes Requirements
ASTM F1515	Resistance to Light	Average $\Delta E < 8.0$	Passes Requirements
ASTM F970	Static Load	Not Applicable (6mil Wear Layer)	$\leq 0.005"$ (0.13mm), 250psi
SIM Test	Static Load Limit	Test to Limit ( $\pm 0.005"$ )	800psi

### 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 <sup>2</sup>
ASTM E662	Smoke Density	Flaming & Non-Flaming $\leq 450$	Passes Requirements <sup>3</sup>
ASTM D2047	Coefficient of Friction (Slip Resistance)	Not Applicable (No Official Requirements)	$\geq 0.6$ (Dry)
REACH SVHC	(181) Substances of Very High Concern	Per Substance: $\leq 0.1\%$ w/w (weight/weight)	Passes Requirements
ASTM F963	Heavy Metals	Refer to Standard	Passes Requirements
ASTM D7823	Phthalates	Refer to CPSIA <sup>4</sup>	Passes Requirements

### STANDARDS – SOUND

Assembly	ASTM E90	ASTM E492	ASTM E2179	Results (Remarks)
6" Concrete Slab	STC 51	IIC 54	$\Delta$ IIC 24	Tested assemblies pass IBC <sup>5</sup> requirements of STC $\geq 50$ and IIC $\geq 50$ for multi-story dwellings
6" Concrete Slab with Drop-Ceiling	STC 60	IIC 67	Not Applicable	

#### Notes

- 1) ASTM F3261 - Physical Characteristics / Tolerances: encompasses Size, Squareness, Thickness, Flatness, Openings, and Ledging.
- 2) ASTM E648 - Critical Radiant Flux (Radiant Panel): Passes Requirements for Class I per International Building Code (IBC) 2018 & NFPA 101 Life Safety Code.
- 3) 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.
- 4) CPSIA = Consumer Product Safety Improvement Act.
- 5) IBC = International Building Code.