

INCEPTION

Waterproof SPC by METROFLOR™

200 ISLAND TECHNICAL DATA SHEET

PHYSICAL PROPERTIES & PACKAGING (FLOATING MULTILAYER MODULAR FLOORING - 5.2 MM / 0.5 MM)

USE	Commercial & Residential (<i>Refer to Recommended Use PDF for Commercial Recommended Areas</i>)
SIZE	7.08 x 47.64 in. (180 x 1,210 mm)
THICKNESS - OVERALL	5.2 mm (0.205 in.)
THICKNESS - WEAR LAYER	0.5 mm (20 mil)
CORE	4.2 mm (0.165 in.) Solid Polymer Core (SPC)
PAD	1.0 mm (0.039 in.) HDPE
PROFILE	Micro-Bevel Edge
FINISH	FX2 Surface Protectant™
COVERAGE - CARTON	10 Pieces/Carton (23.4 Sq.Ft. / 2.18 Sq.M.)
COVERAGE - PALLET	52 Cartons/Pallet (1,219 Sq.Ft. / 113.3 Sq.M.)
COVERAGE - CONTAINER	20 Pallets/Container (24,382 Sq.Ft. / 2,265 Sq.M.)
LIMITED WARRANTY	15-Year Commercial / Lifetime Residential

STANDARDS — MANUFACTURING & USAGE (ASTM F3261)

STANDARD	DESCRIPTION	REQUIREMENTS	RESULTS
ASTM F3261	Physical Characteristics / Tolerances	Refer to Standard	Passes Requirements ¹
ASTM F1914	Residual Indentation	Average: ≤ 0.007 in. (0.18 mm)	Passes Requirements
ASTM F1914	Surface Integrity	No Puncture Through Wear Layer / Décor Layer	Passes Requirements
ISO 23999	Dimensional Stability	$\leq 0.2\%$ / lineal ft. (305 mm)	Passes Requirements
ISO 23999	Curling	≤ 0.080 in. (2.0 mm)	Passes Requirements
ASTM F925	Chemical Resistance	No More Than "Slight Change"	Passes Requirements
ASTM F1514	Resistance to Heat	Average $\Delta E \leq 8.0$	Passes Requirements
ASTM F1515	Resistance to Light	Average $\Delta E \leq 8.0$	Passes Requirements
ASTM F970	Static Load	≤ 0.005 in. (0.13 mm), 250 psi	0.005 in., $\geq 1,000$ psi

STANDARDS — SAFETY & PERFORMANCE

STANDARD	DESCRIPTION	REQUIREMENTS	RESULTS
ASTM E648	Critical Radiant Flux (Radiant Panel)	Class I: ≥ 0.45 W/Sq. cm.	Passes Requirements ²
ASTM E662	Smoke Density	Flaming & Non-Flaming ≤ 450	Passes Requirements ³
CDPH Standard Method v1.2	VOCs/TVOCs, Formaldehyde	Refer to Standard	Passes Requirements
REACH SVHC 181	Substances of Very High Concern	Refer to Standard	Passes Requirements
ASTM F963	Heavy Metals	Refer to Standard (Table 1)	Passes Requirements
CPSC-CH-C1001-09.3	Phthalates	Per CPSIA ⁴ $\leq 0.1\%$ 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): ≤ 2.0 kV
ASTM D4060	Abrasion Resistance	N/A (No Official Requirements)	$\geq 20,000$ Cycles

STANDARDS — SOUND

ASSEMBLY	ASTM E90	ASTM E492	ASTM E2179	RESULTS
6" Concrete Slab	STC 50	IIC 52	Δ IIC 23	Tested assemblies pass International Building Code (IBC) requirements of STC ≥ 50 and IIC ≥ 50 for multi-story dwellings
6" Concrete Slab + Drop-Ceiling	STC 61	IIC 67	Not Applicable	
Wood Subfloor / Ceiling Assembly ⁵	STC 57	IIC 51	Not Applicable	

NOTES

- ASTM F3261 - Physical Characteristics / Tolerances: includes Size, Squareness, Thickness, Wear Layer Thickness (Commercial Class), Flatness, Openings, and Ledging.
- ASTM E648 - Critical Radiant Flux (Radiant Panel): Passes Requirements for Class I per International Building Code (IBC) 2018 & NFPA 101 Life Safety Code.
- 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.
- CPSIA = Consumer Product Safety Improvement Act.
- Wood subfloor/ceiling assembly: 5 mm Inception solid polymer core (SPC) flooring, 19.1 mm USG Levelrock® 2500 floor underlayment, 18.8 mm oriented strand board sheathing, 88.9 mm Johns Manville unfaced R-13 fiberglass insulation, 457.2 mm York PB truss L/360 open web truss, 12.7 mm ClarkDietrich RC Deluxe™ resilient channel, 15.9 mm USG SHEETROCK® brand FIRECODE®C core gypsum panel.