

TECHNICAL DATA SHEET

PHYSICAL PROPERTIES & PACKAGING

PLANK THICKNESS	3.0 mm
CONSTRUCTION	Multi-layer
CORE MATERIAL	Mineral Composite and Polypropylene (PVC Free)
FINISH	Embossed
WEAR LAYER	20 mil (0.50 mm) to ASTM F410
EDGE DETAIL	Eased Edge
INSTALLATION TECHNOLOGY	Glue Down
PLANK DIMENSIONS	48.0" x 7.0" (1219 mm x 178 mm)
PLANKS PER CARTON	14 (32.66 SF)
WARRANTY	Lifetime Limited Residential / 15 Years Limited Commercial
COUNTRY OF MANUFACTURE	Japan

MANUFACTURING & USAGE

TEST DESCRIPTION	REQUIREMENTS	RESULTS	TEST METHOD
Product Specifications	Resilient Flooring in Modular Format with Rigid Polymeric Core	Class I, Type B, Grade 1, Backing Class A, Commercial	According to ASTM F3261-17
Chemical Resistance	No more than "Slight Change"	Exceeds Requirements	ASTM F925
Resistance to Heat	≤ 8.0 Delta E Requirement	Exceeds Requirements	ASTM F1514
Resistance to Light	≤ 8.0 Delta E Requirement	Exceeds Requirements	ASTM F1515
Geometrical Characteristics	Refer to Standard	Exceeds Requirements	ISO 24337
Flexibility	6 to 120 mm Mandrel	Meets Requirements	ASTM F137
Surface Bond	≥ 1.5 N/mm ²	Exceeds Requirements	NALFA 3.10
Shore A Hardness	≥ 70	Exceeds Requirements	ASTM D2240
Residual Indentation at 140 Lbs.	Average ≤ 8%; Any Sample ≤ 10%	Exceeds Requirements	ASTM F1914
R-value / Thermal Conductivity	Refer to Standard	0.060 F ft ² h/Btu	ASTM C518
Dimensional Stability	0.2 % / lineal ft (305 mm) max	Exceeds Requirements	ASTM F2199
Static Electrical Propensity	≤ 3.5 kV	avg max 3.4 kV Negative Polarity	AATCC 134
Thickness Swelling	≤ 8 %	Exceeds Requirements	ISO 24336
Material Density	N/A	Approx. 88.5 lbs/ft ³	N/A

SAFETY & PERFORMANCE

TEST DESCRIPTION	REQUIREMENTS	RESULTS	TEST METHOD
Critical Radiant Flux	Class I ≥ 0.45 W/cm ²	Exceeds Requirements, Class 1 Rating	ASTM E648, also ref as NFPA 253 and FTM Std 372
Smoke Density	Flaming & Non-Flaming ≤ 450	Meets Requirements	ASTM E662 also ref as NFPA 258
Flammability	Not extend to within 1.0 in.	Meets Requirements	ASTM D2859
Resistance to Fungi	Refer to Standard	Resistant to bacteria, fungi, and micro-organism activity.	ASTM G21
Chemical Emissions (VOC's) Certification	Refer to Standard	FloorScore Certified	
Heavy Metals Content Analysis Sb, As, Ba, Cd, Cr, Hg, Pb, Se	Refer to Standard	None detected	16 CFR 1303/CPSC-CH-E-1003-09
Slip Resistance	> 0.6 SCOF Wet & Dry	Exceeds Requirements (not recommended for ramps)	ASTM D2047
Dynamic Rolling Load	100 lbs (per wheel), 500 cycles	Exceeds Requirements	ASTM F2753
Static Load	≤ 0.005", 250-Lbs. Load	Exceeds rqmts, Static Load Limit 2,000 psi	ASTM F970
Wear Resistance	Refer to Standard	Exceeds rqmts, AC6 >8500 cycles	EN 13329
Abrasion Resistance	500 grams @ 1,000 cycles	Exceeds rqmts, Load applied 1,000 grams, at 20,000 cycles endpoint not reached	ASTM D4060
Castor Chair Resistance	No Damage ≥ 25,000 Cycles	Exceeds rqmts, AATCC Rating 5	ISO 4918
Protection of Electrostatic Discharge (Data Only)	Surface to Ground 50% Humidity 1.8 x 10 ¹¹ Ohms at 12% Humidity 5.4 x 10 ¹¹ Ohms Surface to Surface - 50% Humidity 2.7 x 10 ¹¹ Ohms at 12% Humidity >10.0 x 10 ¹¹ Ohms		ANSI / ESD S7.1

Effective: 16 Jan 2019

Notice: This edition replaces all previous versions.

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