



PHYSICAL PROPERTIES & PACKAGING TRAVILOC XL RCB

Construction	Extruded Core Pre-Attached Underlayment	4.2mm Solid Polymer Core (SPC) 1.5mm 1XPE	Use	Commercial & Residential
Size	220mm x 1510mm		Edge Detail	Square
Wear Layer	0.55mm		Finish	Eurethane with Ceramic Bead
Pieces/ Carton	6		Emboss	Natural Timber
Coverage/ Carton	1.99 Sq.M		Gauge	5.7mm
Coverage/ Pallet	56 Cartons / Pallet		Limited Warranty	5 Year General / 10 year light Commercial / Lifetime Residential
Coverage/ Container	20 Pallets / Container			

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/EHL BStandard Method v1.2	VOCs/TVOCs Formaldehyde	Refer to Standard	Passes Requirements
REACH SVHC 181	Substances of Very High Concern	Per Substance: $\leq 0.1\% \text{ w/w (weight/weight)}$	Passes Requirements
ASTM E963	Heavy Metals	Refer to Standard	Passes Requirements
ASTM D7823 /CPSC-CH-C1001-09.3	Phthalates	Refer to CPSIA ³	Passes Requirements
ASTM D2047	Coefficient of Friction / Slip Resistance	N/A (No Official Requirements)	$\geq 0.6 \text{ (Dry)}$
ANSI/ESD STM97.2	Body Voltage	N/A (No Official Requirements)	Average (Abs): $\leq 2.0 \text{ kV}$
ASTM D4060	Abrasion Resistance	N/A (No Official Requirements)	$\geq 20,000 \text{ cycles}$

STANDARDS – SOUND

Standard	Description	Assembly	IBC Requirements ⁴	Results
ASTM E90 & ASTM E413	Airborne Sound Transmission Loss of Building Partitions and Elements (STC / Sound Transmission Class)	6" Concrete Slab	STC ≥ 50	STC 50 (Passes Requirements)
		6" Concrete Slab + Drop-Ceiling	STC ≥ 50	STC 61 (Surpasses Requirements)
ASTME492 & ASTM E989	Impact Sound Transmission Through Floor-Ceiling Assemblies (IIC / Impact Insulation Class)	6" Concrete Slab	IIC ≥ 50	IIC 52 (Surpasses Requirements)
		6" Concrete Slab + Drop-Ceiling	IIC ≥ 50	IIC 67 (Surpasses Requirements)
ASTME2179 & ASTM E989	Effectiveness of Floor Coverings in Reducing Impact Sound Transmission (ΔIIC / $\Delta\text{Impact Insulation Class}$)	6" Concrete Slab	N/A	$\Delta\text{IIC } 23$

STANDARDS – MANUFACTURING & USAGE (ASTM F3261)

Standard	Description	Requirements	Results
ISO 24337	Size	Tolerance - Width of 8.66" (220mm) $\pm 0.016"$ (0.40mm) Tolerance - Length of 59.44" (1510mm) $\pm 0.080"$ (2.0mm)	Passes Requirements
ASTM F2421	Squareness	$\leq 0.010"$ (0.25mm)	Passes Requirements
ASTM F387	Thickness	With Foam Back Layer Tolerance: $\pm 0.008"$ (0.2mm) vs. Specified Minimum: 0.080" (2.0mm)	Passes Requirements
ASTM F410	Wear Layer Thickness	Commercial Classification: 0.55mm	Passes Requirements
ISO 24337	Flatness	Max. Values - Width of 8.66" (220mm) $F_w \pm 0.008"$ (0.2mm) $F_{I \text{ concave}} \leq 0.15\%$; $F_{I \text{ convex}} \leq 0.20\%$	Passes Requirements
ISO 24337	Openings	Average (O_{Avg}) $\leq 0.004"$ (0.1mm) Maximum (O_M) $\leq 0.008"$ (0.2mm)	Passes Requirements
ISO 24337	Ledging	Average (H_{Avg}) $\leq 0.004"$ (0.1mm) Maximum (H_M) $\leq 0.006"$ (0.15mm)	Passes Requirements
ASTM F1914	Residual Indentation	Average: $\leq 0.007"$ (0.18mm)	Surpasses Requirements
ASTM F1914	Surface Integrity	No puncture through wear layer / décor into rigid core	Passes Requirements
ISO 23999	Dimensional Stability	$\leq 0.2\%$ / lineal ft. (305 mm)	Surpasses Requirements
ISO 23999	Curling	$\leq 0.080"$ (2.0mm)	Surpasses Requirements
ASTM F925	Chemical Resistance	No more than "Slight Change"	Surpasses Requirements
ASTM F1514	Resistance to Heat	Average $\Delta E < 8.0$	Surpasses Requirements
ASTM F1515	Resistance to Light	Average $\Delta E < 8.0$	Surpasses Requirements
ASTM F970	Static Load	$\leq 0.005"$ (0.13mm), 250psi	Passes Requirements
SIM Test	Static Load Limit	Test to Limit ($\pm 0.005"$)	$\geq 1,000 \text{ psi}$

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



100% Waterproof