

METROFLOR LVT

Flexible LVT by METROFLOR™

COSMOPOLITAN TECHNICAL DATA SHEET

PHYSICAL PROPERTIES & PACKAGING (DRYBACK SOLID VINYL TILE FLOORING - 2.0 MM / 0.30 MM)

USE	Commercial & Residential (Refer to Recommended Use PDF for Commercial Recommended Areas)
SIZE	6 x 48 in. (152.4 x 1219.2 mm)
THICKNESS - LVT	2.0 mm (0.079 in.)
THICKNESS - WEAR LAYER	0.30 mm (12 mil)
PROFILE	Square Edge
FINISH	UV-Cured Polyurethane with Ceramic Bead
COVERAGE - CARTON	18 Pieces/Carton (36 Sq.Ft. / 3.34 Sq.M.)
COVERAGE - PALLET	90 Cartons/Pallet (3,240 Sq.Ft. / 301.0 Sq.M.)
COVERAGE - CONTAINER	16 Pallets/Container (51,840 Sq.Ft. / 4,816 Sq.M.)
LIMITED WARRANTY	10-Year Commercial / 25-Year Residential

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 ¹
ASTM F1914	Residual Indentation	Average: < 8%, Any Sample ≤ 10%	Passes Requirements
ASTM F137	Flexibility	No Crack or Break, 1-in. (25.4 mm) Mandrel	Passes Requirements
ASTM F2199	Dimensional Stability	≤ 0.020 in./lin. ft (0.51 mm/305 mm)	Passes Requirements
ASTM F925	Chemical Resistance	No More Than "Slight Change"	Passes Requirements
ASTM F1514	Resistance to Heat	Average ΔE < 8.0	Passes Requirements
ASTM F1515	Resistance to Light	Average ΔE < 8.0	Passes Requirements

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 223	Substances of Very High Concern	Per Substance: ≤ 0.1% weight/weight	Passes Requirements
ASTM F963	Heavy Metals	Refer to Standard (Table 1)	Passes Requirements
CPSC-CH-C1001-09.4	Phthalates	Per CPSIA ⁴ ≤ 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) ≤ 2.0kV
ASTM F970	Static Load	N/A (No Official Requirements)	0.005 in., 1,000 psi

STANDARDS — SOUND

ASSEMBLY ⁵	ASTM E90	ASTM E492	RESULTS
6" Concrete Slab + Drop-Ceiling	STC 66	IIC 70	Tested assemblies pass International Building Code (IBC) requirements of STC ≥ 50 and IIC ≥ 50 for multi-story dwellings

NOTES

- (1) ASTM F1700 - Physical Characteristics / Tolerances: includes Size, Squareness, and Thickness.
- (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. Consult your building inspector / fire marshal to learn more.
- (4) CPSIA = Consumer Product Safety Improvement Act.
- (5) Tested assembly: Metroflor LVT with Prevail™ Glue Down Pad.