METROFLOR® LVT

STUDIO PLUS XL
TECHNICAL DATA SHEET

PHYSICAL PROPERTIES & PACKAGING

Construction	Solid Vinyl Tile / LVT
Product Classification (ASTM F1700)	Class III, Type B
Use	Light Commercial & Residential
Size	6” x 48” (152.4mm x 1,219.2mm)
Wear Layer	8 mil (0.2mm)
Finish	Urethane Coating with Ceramic Bead Particles
Gauge	0.080" (2.0mm)
Pieces/Carton	18
Coverage/Piece	2 Sq.Ft. (0.185 Sq.M.)
Coverage/Carton	36 Sq.Ft. (3.344 Sq.M.)
Coverage/Pallet	90 Cartons (3,240 Sq.Ft. / 301.006 Sq.M.)
Coverage/Container	16 Pallets (51,840 Sq.Ft. / 4,816.09 Sq.M.)
Limited Warranty	5-Year Light Commercial / 12-Year Residential

ASTM F1700 STANDARDS

Standard	Description	Requirements	Results
ASTM F386	Thickness	±0.005”	Passes Requirements
ASTM F2421	Size & Squareness	Size: ±0.016” / Linear Foot Squareness: ≤0.010”	Passes Requirements
ASTM F1914	Residual Indentation	Average ≤ 8%; Any Sample ≤ 10%	Exceeds Requirements
ASTM F137	Flexibility	No cracks/breaks (1”/25.4mm Mandrel)	Exceeds Requirements
ASTM F2199	Dimensional Stability	≤0.020” / Linear Foot	Exceeds Requirements
ASTM F925	Chemical Resistance	No more than “Slight Change”	Exceeds Requirements
ASTM F1514	Resistance to Heat	Average ΔE ≤ 8.0	Exceeds Requirements
ASTM F1515	Resistance to Light	Average ΔE ≤ 8.0	Exceeds Requirements

SUPPLEMENTARY STANDARDS

Standard	Description	Requirements	Results
ASTM F970	Static Load Limit	±0.005”, 250-Lbs. Load	≥1,000 lbs. (Exceeds)
ASTM E648	Radiant Panel (Critical Radiant Flux)	Class I: ≥ 0.45 W/cm^2	Passes Requirements
ASTM E662	Smoke Density	Flaming & Non-Flaming: ≤ 450	Passes Requirements
ASTM F963	Heavy Metals	Refer to Standard	Passes Requirements
ASTM D2047	Coefficient of Friction (Slip Resistance)	N/A	≥0.6

SOUND STANDARDS

Standard	Description	Requirements	Results*
ASTM E90 & ASTM E413	Airborne Sound Transmission Loss	Sound Transmission Class (STC) ≥ 50	STC 66 (Exceeds)
ASTM E492 & ASTM E989	Impact Sound Transmission (Floor-Ceiling Assemblies)	Impact Insulation Class (IIC) ≥ 50	IIC 70 (Exceeds)

**Tested with Prevail™ GDP (Glue-Down Pad) Over 6” Concrete Slab with Drop-Ceiling Assembly*

SUSTAINABILITY

Standard(s)	Description
FloorScore® CHPS 01350 LEED EQ 4.3	This product is FloorScore® Certified (SCS-FS-03168) and has thus been found to comply with the volatile organic compound emissions criteria of the California Section 01350 standard. FloorScore® Certification can also be used as an alternative path to obtaining LEED EQ 4.3 credit.