

Mats Inc. Technical Data for Floorworks® Luxury Planks and Tiles

Product Description

General	ASTM F1700 Class III heterogeneous vinyl flooring that is ISO 9001 and ISO 14001 certified.
Wear layer	PVC wear layer with PU coating. Options: no coating.
Backing	Solid PVC backing.
Edges	Straight edges. Options: beveled edges.
Plank sizes	4" x 36" or 6" x 36" (36 sq. ft per case); Options: 3" x 36", 9" x 36", 6" x 48", 7.2" x 48"
Tile sizes	Standard (varies by SKU): 12" x 18", 18" x 18", or 12" x 24" (36 sq. ft per case) Options (varies by SKU): 12" x 12", 36" x 36", 12" x 36", 18" x 36"

Technical Specifications

Physical Properties	
Overall thickness	Standard: 3.0 mm. Options (varies by SKU): 2.0 mm, 2.5 mm, or 5.0 mm
Wear layer	Standard: 0.5 mm. Options* (varies by SKU): 0.7 mm, 0.8 mm, or 1.0 mm
Weight	Standard: 1.2 lbs/sq ft Options: varies by SKU

	Test	Requirement	Floorworks
Safety			
Critical radiant flux	ASTM E648	Class 1: 0.45 w/cm ² or higher	Class 1
Smoke density	ASTM E662	Specific optical density: max. 450 in the flaming mode	Pass
Slip resistance	ASTM D2047	Static coefficient of friction: OSHA min. 0.5; ADA (guideline) min. 0.6	Pass; Compliance varies with surface texture
Heavy metal content	ASTM F963	Best = no detectable heavy metals	No detectable heavy metals
Performance			
Thermal resistance		Suitable for under floor heating	Suitable
Dimensional stability	ASTM F536	Pass: < 0.1%	Pass
Impact Sound Insulation Class	ASTM E989	Impact Insulation Class (IIC)	37
Durability			
Static load limit	ASTM F970	Commercial use: min. 175 psi	1,000 psi
Wear group classification	EN 685	34 = commercial, very heavy load 43 = industrial, heavy load	34 and 43
Flexibility	ASTM F137	No cracks/breaks	Pass
Color fastness (heat)	ASTM F1514	Max. average delta E of 8	Pass
Color fastness (light)	ASTM F1515	Max. average delta E of 8	Pass
Chemical resistance	ASTM F925	Best = no change	No change
LEED			
MR Credit 4	LEED-NC v. 3	For 1 – 2 points: \$ value of all materials = min. average 10% recycled content	28% (pre-consumer)
IEQ Credit 4.1	LEED-NC v. 3	For 1 point: low-emitting adhesive with a VOC of 70 g/L or less for multipurpose adhesive	EQBond VOC: < 0.25 g/L

IEQ Credit 4.2	LEED-NC v. 3	For 1 point: low-emitting sealer with a VOC of 350 g/L or less	MI Sealer Finish with Cross Linker VOC: 77 g/L
IEQ Credit 4.3	LEED-NC v. 3	For 1 point: low-emitting flooring per GreenLabelPlus or FloorScore™	FloorScore™ in progress

*0.2mm and 0.3mm wear layers are available, but do not meet ASTM F1700 requirements for commercial tiles.