

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

Product Description

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|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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: approximately 1 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 | 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 F2199 | Pass: < 0.1% | < 0.1% |
| Squareness | ASTM F2055 | In inches | ≤ 0.005" |
| 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 | Perma Bond VOC: 3 g/L |

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|----------------|--------------|----------------------------------------------------------------------|------------------------------------------------|
| | | multipurpose adhesive | |
| 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® certified |

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