



The Original Modular Flooring

Product Specification: TileFlex™

1.0 Proprietary Product, Manufacturer

1.1 Proprietary Product

Resilient interlocking modular flooring with manufacturer's brand name: TileFlex.

1.2 Proprietary Product Description

TileFlex interlocking modular floor tiles are manufactured from a high-impact polypropylene base module with a solid vinyl floor tile inserted and laminated into the base. TileFlex is designed for interior residential, commercial, light industrial and athletic use.

1.3 Manufacturer

Mateflex Modular Surfaces, Utica, NY USA.

2.0 Product Performance and Technical data

2.1 TileFlex Physical Characteristics

Module size:	12.142" x 12.142" x ½"
Module weight:	1.80 pounds (28 oz.)
Standard Packing:	12 tiles per carton
Shipping weight:	22 pounds per carton

2.2 TileFlex Performance Characteristics

Ball Rebound:	102% Concrete – DIN Std.
Rolling Load:	1000 N – Pass – DIN Std.
Static Load:	100 psi. – ASTM F-970

2.2 Solid Vinyl Tile insert: composition

- 2.2.1 - A dimensionally stable PVC felt backing.
- 2.2.2 - A 0.07 mm high-density white-based PVC layer with copyrighted pattern printed on it.
- 2.2.3 - Minimum 0.20 mm (10-mil.) high-density clear PVC wear layer, light lizard skin texture.
- 2.2.4 - Finished with 3 grams of polyurethane coating, semi-matte.
- 2.2.5 – Size: 12 x 12"
- 2.2.6 - Overall nominal thickness of 1/8 inch (3.2 mm).

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2.3 Solid Vinyl Tile insert: properties

Hardness:	ASTM D-2240: 65
Abrasion resistance:	ASTM D-3389: Meets requirements
Slip resistance:	ASTM D-2047: Meets specifications
Static Load Limit:	ASTM F-970-93: 250 lbs. per sq. in.
Residual Indentation:	ASTM F-1700 Class III, Type B: Meets specifications

2.3 Solid Vinyl Tile insert: properties, cont'd.

Fire resistance:	ASTM E-648-94a/NFPA-253 (Critical Radiant Flux) – Class 1 ASTM E-662/NFPA-258 (Smoke Density) – 450 or less. ASTM E-84-94 (Flammability) - Pass
Chemical resistance:	ASTM F-925 5% Acetic acid – No effect 70% Isopropyl Alcohol – No effect Mineral Oil – No effect 5% Sodium Hydroxide – No effect 5% Hydrochloric Acid – No effect 5% Ammonia – No effect Bleach – No effect 5% Phenol – No effect 212 deg. F Hot Water – No effect
Biological resistance:	Aspergillus Niger, Penicillium Pinophilum, Chaetomium Globosum, Gliocladium Virens, Aureobasidium Pullulans, Pseudomonas Aeruginosa.

2.4 Standard colors

03 - Maple, 05 - Parquet, 04 – Light Parquet, 06 – Black Plank, 34 - Beige, 50 - Gray,

2.5 Base module

Design:	All base modules to include a 1/8" deep rim designed to contain and protect the solid vinyl tile insert.
Material:	All bases shall be made from a proprietary blend of high-impact virgin polypropylene copolymer with incorporated stabilizers, ultraviolet absorbers, anti-oxidants and color pigments. Material to be fungus and mildew resistant.

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Locking: 16 positive interlocks per module; 4 male parts on each of two adjacent sides and 4 female parts on each of two adjacent sides.

Support: 196 truncated conical support legs per module.

Std. Colors: Light Beige (with Maple & Light Parquet tile)
Brown (with Parquet tile)
Black (with Black Plank, Beige, & Gray tiles)

3.0 Warranty

3.1 Manufacturer's standard 15-year limited warranty.