



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
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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
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Biological resistance:	Aspergillus Niger, Penicillium Pinophilum, Chaetomium Globosum, Gliocladium Virens, Aureobasidium Pullulans, Pseudomonas Aeruginosa.
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Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m<sup>3</sup>.

### 2.4 Standard colors

03 - Maple, 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,

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ultraviolet absorbers, anti-oxidants and color pigments. Material to be fungus and mildew resistant.

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)  
Black (with Black Plank, Beige, & Gray tiles)

3.0 Warranty

3.1 Manufacturer's standard 15-year limited warranty.