



## 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:	12.175" x 12.175" x _"
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

#### 2.3 Luxury Vinyl Tile insert, Physical Properties

- 2.3.1 A dimensionally stable PVC felt backing.
- 2.3.2 A 0.07 mm high-density PVC layer with copyrighted pattern printed on it.
- 2.3.3 Minimum 0.20 mm (10-mil.) high-density clear PVC wear layer, light lizard skin texture.
- 2.3.4 Finished with 3 grams of polyurethane coating, semi-gloss.
- 2.3.5 Size: 12 x 12"
- 2.3.6 Overall nominal thickness of 1/8 inch (3.2 mm).

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### 2.4 Luxury Vinyl Tile insert, Mechanical 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
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.

### 2.5 Luxury Vinyl Tile, colors

#03 - Maple, #05 - Parquet, #06 – Ebony, #34 - Beige, #50 - Gray, #04 – Light Parquet

### 2.6 Base module

Design:	All base modules to include a 1/8” deep rim designed to contain and protect the 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.
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.

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### 2.6 Base Module, continued

Colors:           Black, style #4720, with Beige, Gray & Ebony tiles  
                      Brown, style #4722, with Parquet tile  
                      Light Beige, style #4723, with Maple & light Parquet tile

### 3.0 Warranty

3.1     Manufacturer's standard 10-year limited warranty.