



The Original Modular Flooring

## Product Specification: PlankFlex

### 1.0 Proprietary Product / Manufacturer

#### 1.1 Proprietary Product

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

#### 1.2 Proprietary Product Description

PlankFlex 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. PlankFlex is designed for interior residential, commercial and light industrial use.

#### 1.3 Manufacturer

Mateflex Corp., Utica, NY USA.

### 2.0 Product Performance and Technical data

#### 2.1 PlankFlex Physical Characteristics

Module size:	36-1/8 x 4-1/8 x 1/2" nominal
Module weight:	1.75 pounds (28 oz.)
Standard Packing:	12 tiles per carton
Shipping weight:	22 pounds per carton

#### 2.2 TileFlex Performance Characteristics

Rolling Load:	(not tested)
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 white-based PVC layer with copyrighted pattern printed on it.
- 2.3.3 Minimum 0.20 mm (10-mil.) high-density clear PVC wear layer, Deep wood emboss.
- 2.3.4 Finished with 3 grams of polyurethane coating, semi-gloss.
- 2.3.5 Size: 36 x 4"
- 2.3.6 Overall nominal thickness of 0.120 inch (3.0 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 Colors

Cherry, Chestnut.

### 2.6 Base module

Design:	All base modules to include a 0.120" 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:	28 positive interlocks per module; 14 male parts on two adjacent sides and 14 female parts on two adjacent sides.
Support:	Combination of truncated conical support legs, outside edges of modules and interlocking locations.

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2.6 Base Module, continued

Colors: Custom matched to vinyl inserts.

3.0 Warranty

3.1 Manufacturer's standard 15-year limited warranty.