

Product Specification: TileFlex™

TileFlex

1.0 Proprietary Product/Manufacturer

1.1 Proprietary Product:

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

1.2 Manufacturer:

Mateflex Modular Surfaces, Utica, NY USA

1.3 Proprietary Product Description:

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

1.3.2 Physical characteristics:

Module size: nominal 12 1/8 x 12 1/8 x 1/2 inches

Module weight: 1.63 pounds (26.08 oz.)

Standard Packing: 12 tiles per carton

Shipping weight: 21 pounds per carton

1.3.3 Solid vinyl tile insert shall be composed of:

- A dimensionally stable PVC "Felt Backing".
- A 0.07 mm high-density white-based PVC layer with copyrighted pattern printed on it.
- Minimum 0.20 mm (10-mil.) high-density clear PVC wear layer, light lizard skin texture.
- Finished with 3 grams of Polyurethane coating, semi-matte.
- Overall nominal thickness: 1/8 inch (3.2 mm).

1.3.4 Standard colors:

Plank - 03, Parquet - 05, White - 10, Beige - 34, Taupe - 74,
Gray - 50.

2.0 Product performance and Technical Data

2.1 Solid vinyl tile insert

Hardness: ASTM D-2240: 65
Abrasion resistance: ASTM D-3389
Slip resistance: ASTM D-2047
Static Load Limit: ASTM F-970-93: 250 lbs. per sq. in.

Indentation resistance: ASTM F-1914

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) - Pas

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*.

2.2 Base module

Design: All base modules to include a 1/8" 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.

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

Support: 196 truncated conical support legs per module.

3.0 Warranty

3.1 Manufacturer's standard 10-year limited warranty.