



The Original Modular Flooring

Product Specification: **TileFlex™ Diamondplate**

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 Diamondplate 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 Diamondplate is designed for interior commercial and light industrial 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 9/16"
Module weight:	1.80 pounds (28 oz.)
Standard Packing:	11 tiles per carton
Shipping weight:	22 pounds per carton

2.2 TileFlex Performance Characteristics

Rolling Load:	1000 N – Pass – DIN Std.
Static Load:	100 psi. – ASTM F-970

2.3 Solid Vinyl Tile insert: composition

2.2.1 - A dimensionally stable PVC felt backing with raised Diamondplate embossing.

2.2.2 - A 0.07 mm high-density PVC layer with Diamondplate embossing and copyrighted pattern printed on it.

2.2.3 - Minimum 0.20 mm (10-mil.) high-density clear PVC wear layer.

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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2.4 Solid Vinyl Tile insert: properties

Hardness:	ASTM D-2240: 65
Abrasion resistance:	ASTM D-3389: Meets requirements
Slip resistance:	ASTM D-2047: Meets specifications
Residual Indentation:	ASTM F-1700 Class III, Type B: Meets specifications

2.5 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.

2.6 Standard colors

98 – Silver, 99 – Black

2.7 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.
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:	Silver (with Silver tile) Black (with Black tile)

3.0 Warranty

3.1 Standard 10-year limited warranty.