

# TURTLE TILE™

## GENERAL PRODUCT SPECIFICATIONS

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### INTRODUCTION

Turtle Plastics manufactures a variety of modular, interlocking plastic tiles fabricated from recycled, post-industrial PVC called Turtle Tiles. Turtle Tiles are manufactured as solid tiles or with an open grid. Turtle Tiles are provided with three different hardness ratings. In addition to the standard, plain slip resistant PVC surface, two different abrasive coatings can be applied to Turtle Tiles. Turtle Tiles can also be provided with carpet squares inserted into the open grid tile. Typical uses include entrance lobbies, compartmental liners in fire/rescue or utility trucks, rec centers, food service areas, factories, assembly lines, horse stalls, locker rooms, pool decks, school tracks, and walkways. All of our products are proudly made in the USA from quality recycled plastic materials.

### CHEMICAL RESISTANCY

Turtle Tiles at ambient temperature are resistant to most chemicals except methyl iso butyl ketone (MIBK), dimethyl formamide (DMF), phosphate ester, methyl ethyl ketone (MEK), tetra hydro furan (THF), and nitric acid in concentrations greater than 49 percent. Contact Turtle Plastics for comprehensive list of tested chemicals.

### COLORS

Turtle Tiles are available in 15 standard colors. Custom colors may be obtained by contacting Turtle Plastics. Slight color variations may result due to use of 100 percent recycled materials.

Colors: Blue, Burgundy, Brown, Dark Gray, Forest Green, Light Gray, Safety Green, High Vis Orange, Pool Blue, Safety Red, Tan, Taupe, White, High Vis Yellow and Black.

### FLAMABILITY

Non-combustible: Class I interior floor finish with 0.45 minimum critical radiant flux as classified by NFPA 101 when tested with respect to critical radiant flux in accordance with ASTM E648.

### HARDNESS

Hardness tested in accordance with ASTM 02240 Shore A Durometer TEST:

[Soft cushioned tile with a maximum hardness factor of 75 Durometer; Super Soft Tile] [Firm resilient tile with a hardness factor between 80 and 90 Durometer; Regular Turtle Tile] [Heavy load resistant tile with minimum hardness factor of 95 Durometer and capable of supporting minimum load of 10,000 pounds per square foot; Tough Tile] as manufactured by Turtle Plastics.

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### MATERIALS

Turtle Tiles and ramps: 100 percent recycled polyvinyl chloride (PVC) plastic with additives:

1. Ultraviolet stabilizer
2. Fungus inhibitor

### SLIP RESISTANCE

Slip resistance depends on the wearing surface and whether there are wet or dry conditions. Select the appropriate coefficients of friction based on the wearing surface noted in this document.

Slip resistance: Minimum static coefficient of friction tested in accordance with ASTM D2047.

For plain PVC wearing surface.

1. Dry conditions: 0.52
2. Wet conditions: 0.72

For plain PVC with carpet inserts.

1. Dry conditions: 0.94
2. Wet conditions: 1.02

For carbide grit wearing surface.

1. Dry conditions: 0.94
2. Wet conditions: 1.02

For encapsulated rubber granule wearing surface.

1. Dry conditions: 0.94
2. Wet conditions: 1.02

### TILE SIZE

Nominal = 12 inches by 12 inches.

Actual size: 11.840 by 11.840 inches with maximum tolerance of plus or minus 0.040 inch.

### THICKNESS

All Turtle Tiles are available in  $\frac{3}{4}$ " ,  $\frac{1}{2}$ " or 1" thickness. 3T is available only in  $\frac{3}{4}$ "

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### QUALITY ASSURANCE

Turtle Tiles conform to applicable code for flame, FUEL, and smoke rating requirements of resilient flooring in accordance with ASTM E648.

### WARRANTY

See warranty information under additional document entitled "Turtle Tile Warranty."

### ADDITIONAL

Modular, interlocking tiles supported on 81 cross shaped feet providing cushioning trampoline effect. The interlocking system consists in that each tile is provided with four T shaped male tabs and four T shaped female receptacles. Male tabs to contain rectangular hole to receive matching tooth of female receptacle. When assembled, interlocking system to ensure tiles fit tightly together, joints are aligned, surfaces are flush, and movement between tiles is restricted. All Turtle Tiles except Solid Turtle Tile and Tuft Tile and with carpet inserts are provided with holes in each corner for installation with screws. This type of mechanical fastening is used when tiles are installed on a slope or when a permanent installation is required and the tiles will not need to be removed for cleaning. Each open grid style Turtle Tile corner shall have a hole which can be used for screw attachment of tiles. Holes shall be recessed to ensure that heads of installed screws are below surface of tile. When tiles are assembled, corner holes shall provide a repetitive decorative accent in tile surface.

### PERIMETER EDGE REDUCTION RAMPS

- A. Type: Solid PVC tapered modular sections designed to interlock with tiles and provide smooth transition to adjacent flooring; Turtle Tile Ramps as manufactured by Turtle Plastics.
- B. Nominal size:  
Ramp sections: [2-3/4] [6] INCHES wide by 12 inches long with 3/4 inch height.  
Comer sections: [2-3/4 inches by 14 inches] or [6 inches by 6 inches].
- C. Interlocking System: Provide with T shaped male tabs and T shaped female receptacles to match and interlock with tile edges.
- D. Colors: Blue, Burgundy, Brown, Dark Gray, Forest Green, Light Gray, Safety Green, High Vis Orange, Pool Blue, Safety Red, Tan, Taupe, White and High Vis Yellow. Carbide grit top coating is available for all ramps. Ramps for the 3T tile are available in black and yellow only.