

Tuff Seal Tiles

Specifications

Tuff-Seal Tiles are the ultimate interlocking floor tiles - they are designed for industrial use but come in a variety of surface patterns and colors for use in residential and commercial locations. Tuff Seal Floor Tiles will hold up in virtually any indoor or outdoor environment, even in areas with constant, heavy use, including pallet jacks, fork lifts and heavy-truck traffic. These tiles are quick and easy to install with a rubber mallet and seamlessly lock together. No adhesive is required for holding these tiles together. Once installed, these floor tiles are water-tight thanks to their patented interlocking system.

Basic Use: Tuff-Seal Tile's patented '*Tuff Seal*' interlocking joining system enables you to lay the tiles quickly and easily without adhesives on any firm, flat surface, using only a mallet, utility knife and common installation tools. When installed, the flooring has a stylish, uniform appearance. In addition, the unique hidden '*Tuff Seal*' joining system offers an efficient water-tight surface. Because no adhesives are required, Tuff-Seal Tile may be installed over contaminated, moisture problem or uncured concrete sub-floors.

Material: Tuff-Seal Tile is an injection molded, homogeneous, solid vinyl tile. Made from virgin PVC. Environmentally friendly Dow Equilibrium virgin PVC is used to manufacture these floor tiles, giving them industrial-grade durability.

Size: 18" x 18" (450 mm x 450 mm)

Thickness: 1/4" (6.5 mm) 2.17 sq. ft. per tile

Weight: 3.5 lb (1.6 kg) per tile -- 1.6 lb (0.7 kg) per sq. ft

Patterns: Marquis, Smooth, Stud (Button)

Colors: White, Canvas, Yellow, Butternut, Caramel, Chocolate, Brick Red, Terracotta, Meadow, Evergreen, Cerulean Blue, Light Gray, Dark Gray, Slate, Black

Applications: Retail Shops, Exhibition Halls, Raised Access Floors, Health Clubs, Manufacturing Facilities, Aircraft Hangers, Garages, Schools, Auto Service Areas, Warehouses

Limitations: Tuff-Seal Tile is not recommended for exterior applications or commercial/industrial kitchens. In some applications, such as where there is concentrated sun-light, it may be required to glue the tiles to the sub-floor.

Technical Data:

APPLICABLE STANDARDS

American Society for Testing & Materials (ASTM)

- ⌚ ASTM F1700 Standard Specification for Solid Vinyl Floor Tile
- ⌚ ASTM E648 Standard Test Method for Critical Radiant Flux Using a Radiant Heat Energy Source
- ⌚ ASTM F970 Test Method for Static Load Limit
- ⌚ ASTM D412 Breaking Load and Elongation
- ⌚ ASTM F925 Standard Test Method for Resistance to Chemicals of Resilient Flooring

National Fire Prevention Association (NFPA)

- ⌚ NFPA 253 Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source

PHYSICAL/CHEMICAL PROPERTIES

Tuff-Seal Tile meets or exceeds the requirements of ASTM F1700. The breaking load per ASTM D412 is 1653 lbs./inch². Static Load Limit per ASTM F970 is 500 psi. For Chemical Resistance see table 1.

SLIP RESISTANCE

Tuff-Seal Tile meets or exceeds 0.6 for flat surfaces.

FIRE RESISTANCE

- ⌚ ASTM E648/NFPA 253 Critical Radiant Flux - Class 1
- ⌚ FMVSS-302 - Meets or exceeds
- ⌚ FAA Vertical Flammability - Meets or exceeds

Installation: Tuff-Seal Tile may be installed without adhesives on any firm, flat surface, using only a mallet, utility knife and common installation tools. Some applications, or a portion of, may require the tiles to be glued together or glued to the sub-floor. The area to receive flooring should be weather-tight and maintained at a minimum uniform temperature of 55° F for 48 hours prior to and during the installation. The material must be acclimatized at room temperature for a minimum of 24 hours before starting the installation. Failure to acclimatize the tile prior to installation may result in variances in tile size and difficulty in joining the 'Tuff-Seal' interlock.