



1. Product Name

- Expressions Thru-Chip Resilient Tile Flooring
- Stoneworks Resilient Tile Flooring
- Details Solid Color Resilient Tile Flooring
- True-Step Resilient Tile Flooring

2. Manufacturer

Tarkett Inc., U.S.A.
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3. Product Description

BASIC USE

Tarkett Commercial Floor Tiles are recommended for use where a smooth surfaced, easily maintained, durable, long-wearing floor is required.

Recommended areas of use include:

- Education - Classrooms, corridors, multipurpose rooms, gymnasiums, laboratories, cafeterias
- Offices - Break rooms, offices, corridors, cafeterias, lavatories
- Retail - Sales areas, offices
- Healthcare - Patient rooms, exam rooms, lobbies, corridors, operating rooms, emergency rooms, critical care, laboratories
- Hospitality - Corridors, bathrooms, vending areas, lobbies

COMPOSITION & MATERIALS

Tarkett's resilient floor tiles are available in 1/8" (3.2 mm) nominal thicknesses. Color and pattern details are dispersed uniformly throughout the thickness of the product.

SIZES

- Nominal overall thickness- 1/8" (3.2 mm)
- Size- 12" x 12" (305 x 305 mm)

- Area per carton- 45 sq. ft (4.2 sq. meters)
- Weight per carton- 62 lb (28 kg)

COLORS

- Expressions is available in 64 colors
- Stoneworks is available in 14 colors
- Details is available in 9 colors
- True-Step is available in 8 colors
- See manufacturer's color charts or actual samples before final selection

LIMITATIONS

These products are not suitable for concrete substrates where moisture, hydrostatic pressure or excessive alkaline conditions exist. Concrete floors containing curing agents, sealers or hardeners are not suitable. Do not install over gypsum base underlayment or patching compounds.

Material should not be installed over obvious underlayment and substrate imperfections, even if those conditions are not listed in the paragraph above.

4. Technical Data

APPLICABLE STANDARDS

ASTM International

- ASTM D2047 Standard Test Method for Static Coefficient of Friction of Polish- Coated Floor Surfaces as Measured by the James Machine
- ASTM E648 Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source
- ASTM E662 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials
- ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
- ASTM F970 Standard Test Method for Static Load Limit
- ASTM F1066 Standard Specification for Vinyl Composition Floor Tile
- ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride

- ASTM F1678 Standard Test Method for using a Portable Articulated Strut Slip Tester (PAST)

APPROVALS

Complies with HUD/FHA Minimum Property Standards.

Complies with Military Specification 18830C (Ships).

PHYSICAL/CHEMICAL PROPERTIES

- Product classification (ASTM F1066) – Class 2 Through Pattern (Expressions/Stoneworks)
- Product classification (ASTM F1066) – Class 1 Solid Color (Details)
- Static load limit (ASTM F970) – 125 psi
- Static coefficient of friction (ASTM D2047) – 0.6
- ASTM F1678 Standard Test Method for Using a Portable Articulated Strut Slip Tester (PAST)

Slip Resistance: Exceeds minimum requirement of 0.6 static coefficient of friction per ASTM D2047. Although Tarkett Floor Tile meets the recommendations for a safe walking surface, tiles are always maintained with floor polish. Contact the polish manufacturer for slip resistance qualities of the floor polish to be used. Test reports and additional product information are available upon request.

FIRE PERFORMANCE

- Flooring Radiant Panel Test (ASTM E648) - Class 1
- Smoke Density Test (ASTM E662) - Less than 450

SOUND PERFORMANCE

IIC 6" (152 mm) concrete, tile 62, with Quiet Cor.

Test reports and additional product information are available upon request.

5. Installation

PREPARATORY WORK

Refer to the latest edition of the Tarkett Commercial Installation and Maintenance Manual for complete information.

Handle and store product according to Tarkett recommendations. Construct concrete floors in accordance with the American Concrete Institute (ACI) 302.1 R-96 Guide for Concrete Floor and Slab Construction. Floors must be finished and cured according to ACI with a minimum compressive strength of 3500 psi (24 MPa).

Floors must be dry, clean and smooth. Any surface materials such as paint, wax, grease, oil, adhesive residues, etc., must be removed.

Floors must be free of any sealers, curing, hardening or parting compounds that would adversely affect the adhesive used with the flooring. Installation of a moisture barrier, such as 1/8" (3.2 mm) Sealtight^a, manufactured by W.R. Meadows Inc., or similar product, is recommended prior to placement of on-grade or below-grade slabs. Moisture vapor transmission must not exceed 5 lb/1000 sq ft/24 hours when tested according to ASTM F1869 (Anhydrous Calcium Chloride Test). Surface pH of concrete slabs should be no greater than 9.

As a general rule, a 4" (102 mm) thick slab will require a 3 month drying time before moisture tests are performed.

METHODS

Wood floors must be double construction with a minimum thickness of 1" (25.4 mm). The top layer of wood should be American Plywood Association (APA) Underlayment Grade Plywood or other underlayment panel recommended for use beneath resilient flooring (all warranties for the underlayment are with the manufacturer).

Maintain room temperature, adhesive and flooring material at 70 degrees F (21 degrees C) for 48 hours before, during and after installation. For best color match when installing tile from 2 or more cartons, make sure run numbers on the tile cartons are identical.

Adhere flooring with Tarkett 100 Clear Thin Spread Adhesive. Apply adhesive with a 1/32" deep x 1/16" wide x 1/32" apart-notched trowel.

PRECAUTIONS

Gypsum type patching compounds and underlayments are not recommended. Tarkett will not accept responsibility for flooring failures related to the use of gypsum type patching compounds or underlayments.

6. Availability & Cost

AVAILABILITY

These products are marketed throughout the United States, Canada and many foreign countries. Contact manufacturer for information on local availability.

COST

Approximate installed cost/sq ft (US \$):

- Expressions - \$1.10 - \$1.50
- Stoneworks - \$1.75 - \$2.25
- Details - \$2.25 - \$2.75
- True-Step - \$2.75 - \$3.15

Costs may vary due to competitive bidding, depending on local labor costs, job conditions, extent of floor preparation, etc. Budget installed cost information may also be obtained from a local Tarkett distributor or from the manufacturer.

7. Warranty

Tarkett products are warranted to be free of manufacturing defects for 5 years from installation. Refer to the Tarkett Commercial Products Limited Warranty.

8. Maintenance

One of the main reasons for the popularity of Tarkett Commercial Floor Tile is the minimal effort required to keep the tiles clean and attractive. A new tile floor should not be washed until it has become tightly adhered to the subfloor. This will generally take a week or longer, depending on room temperature and the temperature of the subfloor. In

the meantime, sweep or vacuum the flooring to remove loose grit or debris and wipe clean with a damp mop. Spots of adhesive can be removed with a clean, white cloth dampened with mineral spirits. Use caution when handling flammable solvents.

INITIAL CLEANUP/DAILY CARE

Sweep or vacuum to remove loose dirt. Allow treated mops to dry overnight before reusing. Wash floor with a neutral floor cleaner. Rinse the floor with clean water and wet vacuum or mop dry. The floor must be thoroughly rinsed to remove all detergent. When required, scrub the flooring with a standard scrubbing machine or an automatic scrubber equipped with a red scrubbing pad. Rinse the floor with clean water and wet vacuum or mop dry. The floor must be thoroughly rinsed to remove all detergent.

Surface Treatment

Apply 3 - 5 coats of a good quality, acrylic floor polish. The use of a sealer prior to application of floor polish is optional. Floor polishes should be applied and maintained according to the instructions of their manufacturer.

True-Step Maintenance

Slip Resistant Tile is maintained with applications of floor polish and scrubbing procedures involving bristle brushes.

Spot Removal

Spills and spots should be cleaned up while they are still fresh. Use a red polyester pad moistened with detergent.

Precautions

Do not use acetone or similar materials to clean floors. Furniture rests, cart wheels and tires should be made of soft, non-staining rubber and should be large enough to fully dissipate the load. Special hard set adhesives are required in areas where heavy static or dynamic loads will occur. Use plywood panels to protect flooring from damage that

may occur when moving heavy objects directly over flooring. The use of dollies may not be sufficient protection from heavy loads. A detailed maintenance manual is available from Tarkett.

9. Technical Services

A staff of factory trained service personnel offers technical support. For technical assistance, contact the Tarkett Commercial Installation Service Department. Specifiers can call Speed Swatch at (800) 225-6500 for samples of flooring, additional product information and guide specifications.

10. Filing Systems

- Sweet's Catalog Files
- Additional product information is available from the manufacturer upon request.