

COMMERCIAL VINYL COMPOSITION FLOOR TILE

GENERAL INFORMATION

Flextile Commercial Vinyl Composition Floor Tile is particularly suitable for use in areas such as stores/shopping malls, offices, schools or other areas where heavy traffic is encountered and ease of maintenance is important. Suitable for use on approved above, on or below grade floors and over existing smooth-surfaced resilient flooring that does not contain a foam layer.

COMPOSITION

A semi-rigid homogeneous vinyl composition tile with color pigments, which are insoluble in water and resistant to low alkali cleaning agents and light.

TECHNICAL DATA

Flextile's Commercial Vinyl Floor meets the requirements of:

- Canadian Standard Association A126.1M
- Federal Specification SS-T-312, Type IV, Composition 1
- ASTM F1066-95A
- Australian Standard 1889:1 PVC Floor Tile Part 1: Semi-rigid
- Fire Resistance ULC S102.2
- Flame Spread E84 <25
- Smoke Generation ASTM E662 <300
- Critical Radiant Flux – ASTM E648- >.45 watts/cm²
- Australian Standard 1530.3-1989
- Static Load Limit: 10.54 kg/cm² (150 psi)

Specifications

Size	305 mm x 305 mm (12" x 12")
Thickness	2.0 mm & 3.18 mm (.080" & 1/8")
Packaging	4.18 m ² (45 ft ²) per carton
Shipping Weight— per carton	
2.0 mm (.080")	18.2 kg (40 lbs.)
3.18 mm (1/8")	27.2 kg (62 lbs.)

INSTALLATION

Sub-floor must be dry and clean, free from dust, dirt, grease and other foreign matter. For best results, adhesive, tile and floor should be at 20°C during application and area should be maintained at this temperature for seven days after application. Over dusty or porous concrete, spreading can be facilitated by dampening the concrete by priming.

SUB-FLOORS AND UNDERLAYMENTS

Sub-floor or Substrate provides structure and support for the underlayment.

Underlayment is the smooth surface, which the floor covering is to be placed upon.

SUSPENDED OR ABOVE-GRADE – An acceptable suspended floor is a concrete or wood substrate with a minimum of 451mm(18") of well ventilated air space below. It is recommended that a moisture vapor check sheet be placed upon the ground or concrete beneath the air space.

ON GRADE – An acceptable on-grade floor is a concrete substrate in direct surface contact with the ground with the surrounding ground level. Properly constructed the concrete slab will be suitably protected from moisture penetration by planned water drainage and incorporating proven moisture barrier systems.

BELOW GRADE – An acceptable below grade floor is a concrete substrate partially or completely in contact with the ground below the average surrounding ground level. Properly constructed the concrete slab will be suitably protected from moisture penetration by planned water drainage and incorporating proven moisture barrier systems.

CONCRETE SUB-FLOORS:

All concrete floors, old or new, should be tested for moisture and proper bonding of the VCT. Concrete substances of all grade levels are suitable for the installation of FLEXITILE VCT. They should be dry, clean, smooth, cured to a hard non-powdery finish and structurally sound. The concrete surface should be free of dust, dirt, grease and other foreign matter. Cracks and depression must be filled and abraded until they are completely level, using FLEXITILE Flextile-Patch patching compound (Gypsum based patching compounds are not recommended). If a dusty or porous concrete substrate is encountered, Flextile recommends priming with FLEXITILE #43 Thin-Set Mortar Additive.

WOOD UNDERLAYMENT

Underlayment grade panels are used to resurface an existing wood subfloor. The finished appearance of the VCT will be determined in part by the underlayment over which it is installed. Subfloor panels, such as APA-Rated (American Plywood Association) or STUR-I-FLOOR, should be covered with a minimum of 6.4mm(1/4") or thicker underlayment. For strip wood or plank subflooring, if the top layer is tongue-and-groove and the strip wood is 76mm(3") or less in face width, cover with 7.9mm(5/16") or thicker underlayment. If the top layer is not tongue-and-groove or greater than 76mm(3") face width, cover with 12.7mm(1/2") or thicker underlayment panels. When installing over wood underlayments, lay tile so the tile joint do not coincide with the underlayment joints. All recommendations and guarantees regarding the suitability of these products, and their performance as underlayments, are the responsibility of the manufacturer and installer of the underlayment system used.

EXISTING RESILIENT FLOORS:

Flexile Vinyl Composition Tile may be installed over an existing resilient floor if the old floor meets the following conditions:

- The existing resilient flooring is not embossed or textured, firmly bonded and properly installed over recommended underlayments and subfloors.
- The existing resilient floor is not cushioned-back flooring, shows no evidence of moisture, alkaline salts or hydrostatic pressure and waxes.
- Indentations or damaged areas must be repaired or replaced. If there is any doubt about the existing resilient being acceptable as an underlayment, cover it with an appropriate wood under layment.

OTHER SUBFLOORS:

Flexile VCT may be installed over ceramic tile, terrazzo, marble and metal floors, provided they are structurally sound and well bonded to an appropriate subfloor. The old floor must be smooth and level and have no moisture-related problems. Clean the floor of all paint, varnish, oil, wax and other floor finishes.

MOISTURE TEST

It is the contractors' as well as the installer's responsibility to test all concrete substrates for moisture content or emission to determine if it is sufficiently dry to install Flexile VCT. We recommend the Quantitative Calcium Chloride Moisture Test Kit (available from Flexile). It consists of anhydrous calcium chloride which is pre-weighed and placed under a larger transparent plastic cover adhered to the slab to be tested. Concrete should not have a moisture outflow in excess of 5 lbs/ 1000sq.ft/ 24 hours for installation of FLEXILE VCT.

ADHESIVES

The following adhesives are recommended for the installation of Flexile Vinyl Composition Tiles:

- **Clearset 31 Floor Tile Adhesive**
Flexile 31 is a light colored, high strength latex based adhesive. It contains no solvent or other hazardous ingredients, which could affect air quality in buildings. It gives an excellent tack and dries to a clear film. Coverage is about 19-21m² (210-225 sq.ft.) /U.S. gallon
- **38 Fast-Set Floor Tile Adhesive**
Specially formulated rubber asphalt emulsion, which sets to a highly tacky film and gives an extra strong bond between the resilient floor coverings and the subfloor. It is virtually odorless and is free of flammable solvents. Coverage is about 19-27m² (200-285 sq.ft.) /U.S. gallon
- **70 Multi-Purpose Flooring Adhesive**
A latex/resin, multi-purpose-flooring adhesive which develops a tough, water-resistant bond. Coverage is about 23m²(250 sq.ft.) /U.S. gallon
- **71 Flooring Adhesive**
A medium-bodied latex/resin emulsion which develops a bond of exceptionally high strength when used properly. It cures to a clear film. Coverage is about 16-19m²(170-210 sq.ft.) /U.S. gallon

Always follow the instructions on the container before spreading the adhesive. Pour a small quantity of adhesive on the floor and with a firm hand spread it with a trowel having 1/16" "V" notches on 1/16"

centers, taking care to ensure a uniform, even coating. Tile should be installed as soon as cement becomes tacky. Roll tile immediately after application with a 100 lb., 3-section roller.

In many cases, new concrete floors will dry to a satisfactory level after extended curing. If the condition is due to moisture from the sub-grade, installation of the tile with an epoxy adhesive may be the only solution.

MAINTENANCE**GENERAL**

No other surface in a building gets the abuse and wear that a floor does, but by following the maintenance tips below you can maintain the attractive look of your new Flexile floor.

- Dry mop and/or sweep and/or wet mop your floor daily to remove loose dirt before it can scratch your floor's surface.
- Use floor mats at outside doors to prevent moisture and dirt being tracked across your floor. "Walk-off" mats should cover the first six feet minimum inside any external doorway-double the length in winter.
- Wipe up spills before they dry.
- Use floor protection or glides on legs of furniture to minimize scratching and indentation.
- Move heavy furniture or appliances by placing a plywood panel on the floor and "walking" the furniture across the panel, or place a piece of carpet or rug face down under the furniture and slowly slide the furniture across the floor, keeping the carpet under the legs to prevent scratching.

NOTE: Certain colors are subjected to scratch whitening. They should be used as feature tiles. Please consult your dealer.

NEW FLOORS

- Vacuum or sweep the floor clear of debris.
- Damp-mop with a solution of a neutral detergent – carefully scrubbing black marks and excessive soil.
- Apply two or more coats of a self-sealing acrylic floor finish.
- Allow at least 30 minutes between coats or until floor is thoroughly dry.
- Do not wash the floor for at least five days after installation.

REGULAR MAINTENANCE

- Vacuum, sweep, or dust mop to remove debris.
- Damp mop with a neutral cleaner and warm water.
- Wring mop out frequently and change the wash water when it gets dirty.
- When damp mopping does not restore the finish to the desired condition, wash the floor using a strong solution of neutral cleaner.
- Rinse floor, let dry and apply 1-2 coats of finish.
- When deep-scrub no longer gets the floor clean, it is time to strip and refinish.

Note: For further information, refer to the maintenance guide for Flexile vinyl composition floor tile.

WARRANTY

Flexile Ltd. Warrants that these products are of merchantable quality and suitable for the purpose for which they are intended **BUT DOES NOT MAKE ANY OTHER WARRANTY, EXPRESS OR IMPLIED.** For further information, consult "Flexile Vinyl Composition Tile Warranty" and the warranty for "Flexile Flex-thru".