

# Product Data

## Section 9 Resilient Flooring FlexTuft Rubber Tile

### 1. PRODUCT NAME

Flexco FlexTuft Vulcanized & Non-Vulcanized Rubber Tile

### 2. COMPANY INFORMATION

Flexco Corporation

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### 3. PRODUCT DESCRIPTION

#### 3.1 Basic Application

FlexTuft Vulcanized and Non-Vulcanized Rubber Tiles are durable, anti-slip flooring made for the most demanding applications with outstanding sound absorption. Uses of FlexTuft include walk-off mats for entryways, lobbies, concourses, and foyers in shopping malls, grocery stores, airports, factories, office buildings, skating rinks, schools, theaters, bowling alleys, ski lodges, and other demanding indoor and outdoor applications. Other uses include areas subjected to cleats and spikes, such as golf pro shops, locker rooms, sports complexes, and athletic equipment rooms. The added traction of the surface makes FlexTuft extremely useful for inclined ramps, walkways, stairwells, and airport passenger loading bridges. Installation can occur on flat surfaces or in recessed areas. The tiles can be trimmed or cut easily for borders or other hard-to-fit areas. Inside or out, FlexTuft can stand up to the toughest commercial traffic. Its non-skid, ribbed construction is soft enough to be comfortable to walk on, but sturdy enough to withstand the heaviest wear. FlexTuft is perfect for exterior installations where the weather can take its toll on flooring. Even when it is soaking wet, it still retains its non-skid properties and ensures sure footing in the worst conditions. FlexTuft stands up to tough customers and endures the heaviest abuse. FlexTuft can take the heaviest traffic in stride while enhancing walking comfort and reducing foot and leg fatigue. These are strong claims, but FlexTuft is a strong product. If properly cleaned and maintained, FlexTuft has a lifetime delamination warranty and a 10-year limited wear warranty.

#### 3.2 Product Construction

FlexTuft Vulcanized and Non-Vulcanized products manufactured with approximately 90% of the components comprised of recycled truck and bus tires. The construction of the FlexTuft Vulcanized is a synthetic tire cord reinforced with a layer of fabric, and then vulcanized to a thin rubber backing. The construction of the FlexTuft Non-Vulcanized is a synthetic tire cord reinforced with a polyester spun bond fabric layer. Finally, buffing of the nylon cord produces an even, non-glare, tufted surface. The result is a nominal 3/8" thick tiles and roll flooring that are highly resistant to organic deterioration and damage from the elements.

#### 3.3 Product Types

##### 3.3.1 Vulcanized FlexTuft

- Gauge: 3/8" (9.52 mm) nominal
- Size: 12" x 12" (304.8 mm x 304.8 mm) nominal
- Packaging: 25 Square Feet / Carton

### 3.3.2 Non-Vulcanized FlexTuft

- Gauge: 3/8" (9.52 mm) nominal
- Size: 12" x 12" (304.8 mm x 304.8 mm) nominal
- Packaging: 25 Square Feet / Carton

### 3.3.3 Non-Vulcanized FlexTuft Rolls (\*Special Order Only)

- Gauge: 3/8" (9.52 mm) nominal
- Size: 12" x 30' (304.8 mm x 9.14 m) nominal
- Packaging: 30 Square Feet / Carton

### 3.3.4 Finishing Accessories

- Flexco 177A Carpet Edge Reducer
- Flexco 1/4" Subleveler when using adjacent to 1/8" Tiles

## 4. TECHNICAL DATA

**ASTM D 2047** - Static Coefficient of Friction (Slip Resistance): Exceeds ADA recommended ratings of .60 for flat surfaces and .80 for ramps

**ASTM D 2859 (FF 1-70 Pill Test)** - Passes and exceeds the minimum char radius of 3" (76.2mm); average char per eight strips tested is 3/4" (19.05mm) radius

**ASTM D 1630** - Taber Abrasion is less than .003" at 5000 cycles using H-10 wheels

**Title 16, CFR Chapter II, Subchapter D, Part 1630** - Standard for the Surface Flammability of Carpets and Rugs (FF 70): Passes

## 5. PRODUCT LIMITATIONS

**Install all FlexTuft Vulcanized and Non-Vulcanized Tiles in a quarter-turn parquet pattern, installations in a Linear Pattern will void the Limited Warranty.** Install all FlexTuft Vulcanized and Non-Vulcanized Tiles using the recommended Flexco adhesive. FlexTuft must not be used in kitchens or in any area that is exposed to oil, grease, vegetable fats, strong detergents, acids, solvent-based paints or coatings, gasoline, kerosene, or other similar solvents that can be absorbed in the tile and cause deterioration of the rubber. **DO NOT** allow the side of the tiles or rolls to remain exposed. Foot and vehicular traffic could abruptly hit the exposed side of the tile or roll flooring causing a bond failure. Installations of FlexTuft can occur indoors and outdoors below grade, above grade, or on grade. However, it should not be used in areas that are consistently wet or if there is hydrostatic pressure. Ensure any disinfectant, cleaning agent, dye, floor care product, pesticide, or other chemical (solid, liquid, or gas) that may contact the flooring will not produce permanent discoloration and / or damage to the flooring. **DO NOT** drag or move objects across the flooring or drop objects onto the flooring that may cause damage to the flooring. **DO NOT** allow the flooring to meet direct heat, such as radiators, hot ovens, or other heated equipment. When exposed to direct or indirect sunlight, and/or other outdoor elements, fading will occur. Make all color selections from actual samples as exact matching of color or shade may vary.

## 6. INSTALLTION

### 6.1 General Preparation and Conditioning

Read the literature concerning the product description, product limitations, product installation, adhesive information, product maintenance, and warranty before installing FlexTuft. Deliver all materials to the installation location in its original packaging with labels intact. Store products in a dry area protected from the weather on a smooth, flat, dry surface with temperatures maintained between 65° F (19° C) and 85° F (30° C). Do not stack pallets. Remove all plastic wrapping and strapping from the pallets in the installation area at least 48 hours prior to installation. The installation area, substrate, tile, roll flooring and adhesive are to be maintained between 65° F (19° C) and 85° F (30° C) for at least 48 hours before installation, during installation, and 48 hours after the installation. Maintain room temperatures between 65° F (19° C) and 85° F (30° C) thereafter. The natural production process of FlexTuft creates random color tones. Loose-lay tile or roll flooring in the room or area prior to spreading of adhesive to determine the proper layout to ensure the best overall appearance and to minimize small border cuts. Inspect all material for proper type, color, thickness and quality. **DO NOT** install material with obvious defects. Conduct the proper moisture emission and pH testing on the substrate. Proceed with the installation only when the conditions are proper and correct. Perform a bond test using Flexco FlexTuft Adhesive or Flexco 77 Solvent Free Epoxy Flooring Adhesive throughout the area,

approximately 50 feet apart at least one week prior to the scheduled installation to ensure the surface is suitable. After 72 hours, there should be an unusual amount of force to lift tile or roll flooring from the substrate with adhesive bonding to the tile or roll flooring and the substrate. **DO NOT** proceed with the installation if the concrete subfloor has darkened, if visual moisture is present or if adhesive is still wet. These are clear indications of subfloor moisture problems. Close the area to traffic during flooring installation. Install tiles, roll flooring and accessories after other finishing operations, including painting are complete. If the back of the tile or roll flooring becomes soiled prior to installation, clean with a soft cloth dampened with a mild soap and water solution, rinse and allow to thoroughly dry. Tile or roll flooring may be installed over radiant heated floors, provided the surface temperature is maintained between 65° F (19° C) and 85° F (30° C). If radiant-heated floors have cooled after installation, a gradual increase in temperature is required to prevent adverse affects on the adhesive bond.

## 6.2 Subfloor/Substrate Inspection and Preparation

### 6.2.1 General

Inspect all subfloors/substrates prior to installation. All substrates must be clean, smooth, permanently dry, flat, and structurally sound. The substrate must be free of moisture, dust, sealers, paint, curing compounds, parting agents, residual adhesives, adhesive removers, hardeners, resinous compounds, solvents, wax, oil, grease, asphalt, gypsum compounds, alkaline salts, excessive carbonation or laitance, mold, mildew, any other extraneous coatings, films, materials and all other foreign matter which might interfere/restrict proper adhesive bonding. **DO NOT** use sweeping compounds, solvents, citrus adhesive removers, or acid etching to clean the substrate. **DO NOT** install flooring over gypsum-based or plaster based leveling or patching compounds. **DO NOT** install new floor covering over old floor covering, as the old floor covering may not be adequately bonded, hide possible structural defects, or cause plasticizer migration into the new flooring. In renovation or remodel work, remove all existing adhesive residue so that 100% of the overall area of the original subfloor/substrate is exposed. Follow The Resilient Floor Covering Institute's (RFCI) "Recommended Work Practice for Removal of Existing Floor Covering and Adhesive", and all applicable industry, local, state, and federal standards. Use care to analyze the conditions and correct any problems prior to installation. Follow the manufacturer's recommendations for any patching or underlayment materials, excluding gypsum based or plaster based levelers or patching compounds.

### 6.2.2 Concrete Substrates

Determine the moisture vapor emission of all concrete substrates on all **Grade Levels** at least one week prior to installation. ASTM F 1869 Calcium Chloride method or ASTM F 2170 Relative Humidity method are acceptable standards. **Caution:** ASTM F 1869 or ASTM F 2170 tests cannot predict long-term moisture conditions of concrete slabs; this testing only indicates moisture conditions at the time of the tests. Before conducting ASTM F 1869 or ASTM F 2170 test, the installation area must be maintained between for 65° F (19°C) and 85° F (30°C) or at least 48 hours prior to testing, during testing and thereafter. In addition, the concrete's temperature range must also be identical to that of the installation area. Conduct three tests for the first 1,000 sq. ft. and one additional test for each 1,000 sq. ft. or fraction thereof per grade level (on, below or above grade). **The Vapor Emission Rate shall not exceed 4.0 lbs and Relative Humidity Test shall not exceed 70% when using Flexco FlexTuft Adhesive. The Vapor Emission Rate shall not exceed 5.0 lbs and Relative Humidity Test shall not exceed 75% when using the Flexco 77 Solvent-Free Epoxy Adhesive.** **DO NOT** install flooring if the substrate does not meet the above noted requirements. **DO NOT** install flooring if there is hydrostatic pressure. Every concrete floor slab on-grade or below grade to receive resilient flooring shall have a permanent, effective moisture vapor retarder installed below the slab. Perform a pH test for excessive alkalinity using a pH pencil or litmus paper and de-ionized water. A scaly, sandy, or powdery surface is an indication of some form of contaminant, usually excessive alkalis or an alkali-silica residue. A pH reading higher than 8 is an indication of a potential problem and the concrete must be neutralized by rinsing with clear water. Apply clear water with a mop and allow drying. Re-rinse with clear water, allow drying and retest to ensure pH level is within acceptable range of 5 to 8 on the pH scale. Continue to neutralize until the pH level is acceptable. The testing of concrete for alkalinity indicates the degree of alkalinity only at the time, and will not predict long-term conditions. Moisture and alkali salts in the concrete can cause the following problems after installation: adhesive deterioration, bumps, ridges, bubbles, discoloration, mold, mildew, bacteria growth, efflorescence, tile shifting, tile releasing, tile peaking, or sheet seam curling. **DO NOT** install over burnished (slick troweled) concrete to avoid adhesive and underlayment patch or self-leveling bonding problems due to the non-porosity of the concrete finish. Perform corrective measures such as bead blasting (shot blasting) or scarifying prior to installation. The concrete slab must be of good quality, standard density concrete with low water/cement ratios consistent with placing and finishing

requirements, having a maximum slump of 4", a minimum compressive strength of 3500 PSI, and following the recommendations of ACI Standard 302.1R-96 for floors and the Portland Cement Association's recommendations for slabs on ground. Joints such as expansion joints, contraction joints, isolation joints, saw cuts, control joints, grooves or other moving joints shall not be filled with patching compound or covered with resilient flooring. Use Expansion joint covers designed for use with resilient flooring. Use a high quality grade Portland cement-based, water resistant, non-shrinking, non-staining, mildew resistant, alkali resistant underlayment having a minimum compressive strength of 3500 PSI after 28 days to fill and smooth any non-moving surface cracks, depressions, and other irregularities. Some underlayments may fail under excessive weight; an epoxy caulking compound may be required for certain repairs. Mechanically cleaning the substrate by shot blasting, scarifying, or sanding shall be performed to achieve a flat, smooth, clean surface to prevent irregularities, roughness, or other defects from telegraphing through the new resilient flooring. The surface of the concrete shall be flat to within the equivalent of 3/16" in 10 feet, as described in ACI 117R. Clean the surface of all loose material by scraping, brushing, vacuuming, or other methods, or a combination thereof, immediately before commencing installation of resilient flooring. Follow the proper safety practices during the preparation and installation. Follow the recommendations of the American Concrete Institute (ACI 302.1R, Guide for Concrete Floor and Slab Construction; ACI 360.R, Design of Slabs on Grade; ACI 223, Standard Practice for the Use of Shrinkage-Compensating Concrete); The American Society for Testing and Materials (ASTM F 710, Standard Practice for Preparing Concrete Floors and Other Monolithic Floors to Receive Resilient Flooring), and the American National Standards Institute (ANSI A157.1, Recommended Practice for Concrete Floor and Slab Construction) for the preparation of concrete to receive resilient flooring. Refer to 6.2.1.

### 6.2.3 Wood Subfloors

Wood subfloors used as subfloors/substrates are to follow the procedures recommended for concrete in 6.2.1 and 6.2.2. Wood subfloors should be of double layer construction with a minimum thickness of 1". Crawl spaces underneath wood subfloors shall be in compliance with local building code ventilation practices and have clearance of at least 18" of cross-ventilated space between the ground level and joists. Wood joists should be spaced on no more than 16" centers. Place a moisture retarder; having a maximum rating of 1.0 perm, on the top of the ground under the wood subfloors overlapped at least 8". APA, The Engineered Wood Association, Underlayment Grade plywood, minimum 3/8" thick, with a fully sanded face is to be used. Use APA approved exterior grade plywood if finished floors are subjected to moisture. OSB, luan, maranti, solid-core mahogany, waferboard, particleboard, chipboard, flakeboard, tempered hardboard, glass mesh mortar units or cementitious tile backer boards, sheathing-grade plywood, preservative-treated plywood, or fire-retardant treated plywood are not recommended as some manufacturers may use resins or other adhesives in the manufacturing of the product that may cause discoloration or staining of the flooring. Wood subfloors movement, flexing or instability will cause the flooring installed to release, buckle or become distorted. **DO NOT** proceed with the installation until corrective measures have been made. The warranties, performance, installation, and use are the responsibility of the manufacturer and/or contractor. **DO NOT** use plastic or resin filler to patch cracks. **DO NOT** use cement or rosin coated nails or staples or solvent-based construction adhesive to adhere the plywood. Installation on a sleeper, a wood subfloor system constructed over the top of concrete, is not recommended. Installation directly over Sturd-I-Floor panels is not recommended. All wood subfloors, single construction plywood floors, single and/or double tongue-and-groove strip floors, and wood plank floors must be prepared to receive resilient flooring in accordance with federal and industry standards. Follow the recommendations of the APA, The Engineered Wood Association, Design/Construction Guide, Residential and Commercial, and ASTM F 1482, Standard Guide to Wood Underlayment Products Available for Use Under Resilient Flooring, for the installation and proper construction of the panels to receive resilient flooring. It is the contractor's responsibility to determine if the subfloor is acceptable to receive the flooring. Refer to 6.2.1.

### 6.2.4 Cementitious Terrazzo and Ceramic Floors

Cementitious Terrazzo and Ceramic floors to be used as subfloors/substrates are to follow the procedures recommended for concrete in 6.2.2. Ceramic tile must be solidly adhered and all loose tiles must be removed and repaired or replaced. Ensure all glazed, sealed, smooth, and/or shiny surfaces are properly sanded and cleaned. Fill all grout lines and other irregularities with a manufacturer's recommended Portland cement-based underlayment with a minimum compressive strength of 3500 PSI. The subfloor must be structurally sound. Inspect and ensure there is an adequate bond of the old flooring to the original substrate. **DO NOT** install over epoxy based terrazzo. Cementitious terrazzo must first be sanded to remove all finishes, and then cleaned. Conduct a bond test with adhesive to ensure a

successful bond can be achieved before installing. Flexco Floors will not warranty the product if there is a bond failure caused by problems relating to the old flooring. Refer to 6.2.1.

### 6.2.5 Metal Floors

Metal floors to be used as subfloors/substrates must be thoroughly cleaned of any residue, oil, paint, primer, sealer, rust, and oxidation and properly sanded/grinded to provide a smooth, level, clean substrate to receive flooring. Install the flooring within 12 hours after sanding/grinding to prevent the metal from re-oxidizing. The metal subfloor shall be structurally sound. Deflection of the metal can cause a bond failure between the adhesive and the metal substrate. It is the contractor's responsibility to decide the feasibility of the application. Flexco will not be held liable for failures caused by flexing or deterioration of metal substrates. On an extremely smooth, non-porous, metal substrate, a longer "tack up" may be required in order to prevent the adhesive from oozing between the seams. **Caution:** The installation of flooring material will not prevent deterioration of metal substrates from occurring.

## 6.3 Adhesive Information

### 6.3.1 Flexco FlexTuft Adhesive

Flexco FlexTuft Adhesive is a single-component, waterproof, synthetic rubber based adhesive used for indoor and outdoor installations over porous and non-porous substrates, excluding areas subjected to lateral shear stress or rolling loads. Rain or exposure to moisture within 72 hours after installation may slow the set up time, and may adversely affect the adhesive. Spread coverage using a 1/8" x 1/8" x 1/8" square notch trowel is approximately 75 square feet on a smooth, porous substrate. Coverage will vary according to the type of surface, surface texture, spreading angle, and adhesive temperature. Adhesive is available in 1-gallon and 4-gallon pails. Shelf life is one year stored at 70° F (21° C) in an unopened container. Remove excess adhesive and clean tools with warm soapy water. Flexco FlexTuft Adhesive is freeze/thaw stable to 0° F; however, it is recommended to protect all adhesive products from freezing. If frozen, **DO NOT** stir until material has completely thawed.

Flexco FlexTuft Adhesive VOC's according to California Rule #1168: 17 grams per liter of coating.

### 6.3.2 Flexco 77 Solvent Free Epoxy Adhesive

Flexco 77 Solvent Free Epoxy Flooring Adhesive is a solvent free, non-flammable; high performance epoxy adhesive used for indoor FlexTuft installations over porous and non-porous substrates, and used when installing FlexTuft in areas exposed to lateral sheer stresses or rolling loads. Rain or exposure to moisture within 72 hours after installation may slow the set up time, and may adversely affect the adhesive. When used on non-porous substrates, the adhesive must be allowed to "tack up", but not allowed to cure. Spread coverage using the 1/16" x 1/16" x 1/16" square notch trowel is approximately 100 square feet on a smooth, porous substrate. Coverage will vary according to the type of surface, surface texture, spreading angle, and adhesive temperature. Adhesive is available in 1-quart and 1-gallon plastic pails. Shelf life is one year at 70° F (21° C) in an unopened container. Although the epoxy components are non-freezing, allow the adhesive to stabilize to ambient temperature before mixing. Remove any adhesive on the surface of the tiles, roll flooring or surrounding area immediately with a clean cloth dampened with warm soapy water or denatured alcohol. **DO NOT** allow the adhesive to cure on the surface of the tile. A bond failure will not occur if the epoxy is not properly mixed. Label information is in English and Spanish. Read all of the product and safety information concerning the adhesive and any other chemicals or cleaning agents prior to installation.

Flexco 77 Solvent Free Epoxy Flooring Adhesive VOC's according to California Rule #1168: Flexco 77 Part A: 30 grams per liter of coating, Flexco 77 Part B: 30 grams per liter of coating.

## 6.4 Adhesive Application and Product Installation

### 6.4.1 Flexco FlexTuft Adhesive Application

Ensure adequate ventilation. Pour the contents of the container onto the substrate and spread evenly using a 1/8" x 1/8" x 1/8" square notch trowel, being careful to leave no puddles of adhesive. Before laying the FlexTuft tiles or rolls, allow the adhesive to "flash off" and "tack up" approximately 15 – 20 minutes. **Caution:** "Tack up" time, open time, and curing characteristics will vary upon the type of substrate, substrate temperature, ambient temperature, humidity, and proper conditioning of the adhesive. **DO NOT** spread more adhesive than can be covered before the adhesive cures.

### 6.4.2 Flexco 77 Solvent Free Epoxy Adhesive

Ensure adequate ventilation. **DO NOT** mix partial units of adhesive, because the ratio of Part A to Part B is not 1:1. Flexco 77 Solvent Free Epoxy Flooring Adhesive is in two separate containers marked Part A (epoxy resin) and Part B (polyamide resin, hardener). Remove the lids and add all of Part A to Part B. Mix the combined parts with the furnished paddle using a rotary motion while at the same time lifting from the bottom. A slow speed, 200 RPM maximum, drill with an attached mixing paddle may also be used. Mix 4 minutes. After mixing, there must be no streaking. **Caution:** Higher mixing speeds and/or longer mixing time will reduce and can cause premature curing of the adhesive; however, if not mixed long enough, the adhesive will not properly cure. **DO NOT** let the mixed epoxy adhesive stand in the container. Immediately after mixing, pour the contents onto the substrate and spread the adhesive evenly using a 1/16" x 1/16" x 1/16" square notch trowel, being careful to leave no puddles of adhesive. With a shot-blasted substrate or a rough texture underlayment, the adhesive spread rate will be lower. Spreading large areas in excess of 150 square feet could possibly allow the adhesive to cure or setup before the tile or roll flooring is installed which would result in a bond failure. On porous substrates, allow the adhesive to "tack up" for approximately 15 minutes at 75° F at 50% humidity. On non-porous substrates, allow the adhesive to "tack up" for approximately 30 minutes. **Caution:** "Tack up" time, open time, and curing characteristics will vary upon the type of substrate, substrate temperature, ambient temperature, humidity, and proper conditioning of the adhesive. Observe the adhesive to ensure the adhesive has not surpassed its open time and has not begun to cure.

### 6.4.3 Product Installation

Install FlexTuft in a quarter-turn parquet pattern. Place the FlexTuft into the "tacky" adhesive, pressing from the center of the FlexTuft outwards to exude entrapped air and to embed the tile or roll flooring into the adhesive. Leave approximately 1/16" gap between the individual tiles. **DO NOT** fit the FlexTuft tightly together. Since these are rubber tiles, the FlexTuft spread out slightly when properly rolled or exposed to direct sunlight. When laying the FlexTuft, use a kneeling board, or for best results, work off the flooring whenever possible. If the adhesive is bleeding or oozing at the seams, either too much adhesive is being applied, or the adhesive is too "wet". If the adhesive is too "wet", allow additional time for the adhesive to "tack up", being careful not to allow the adhesive to cure. **IMMEDIATELY** remove excessive uncured adhesive with a cloth dampened with warm soapy water or denatured alcohol before the adhesive cures. **DO NOT** allow the adhesive to cure on the surface of the FlexTuft. Adhesive allowed to cure on the surface is extremely difficult to remove and can discolor the flooring. Periodically inspect the flooring to ensure there has been no shifting of the FlexTuft to produce excessive gaps between the FlexTuft and / or buckling of the FlexTuft. Periodically lift the FlexTuft to ensure proper adhesive transfer, which should be at least 90% coverage. Cut borders and other specialty cut FlexTuft to fit snugly, not tightly, against the wall, threshold, transition strip, fixtures, or other obstacles. Forcing incorrectly sized tiles or roll flooring into smaller areas will cause buckling of the FlexTuft. **DO NOT** wait until all the installation of the main aisle flooring to begin laying the borders. Lay the border tiles within the adhesive open time. Within 30 minutes of installation, Roll and cross-roll each section of FlexTuft with a 100-pound 3-section roller. Adjust rolling time for other than normal climatic conditions. Use a hand roller in areas where large roller cannot reach. Conduct a visual inspection during the rolling process to ensure there has been no shifting of the FlexTuft and that there is no adhesive on the surface of the tile or roll flooring. **DO NOT** wait until completion of the entire installation before rolling as the adhesive may have surpassed the open time and be cured. Roll and cross roll a second time approximately 30 minutes after the initial rolling. There is to be no foot traffic on the floor for at least 24 hours and no wheeled conveyances for at least 48 hours. Protect flooring against mars, marks, indentations and other damage.

## 7. PRODUCT MAINTENANCE

### 7.1 Initial Maintenance

Properly clean the flooring before releasing for its normal use. **DO NOT** perform any maintenance or allow the product to be exposed to water, rain, cleaning agents, or other materials for at least 72 hours after installation to allow the adhesive to properly cure. Remove any covering used to protect the floor after installation prior to use. Sweep and / or vacuum with a high CFM vacuum to remove dirt and other particulate. Spot clean or shampoo with a neutral pH cleaner or a mild soap and water solution to remove any stains.

## 7.2 Routine Maintenance

Properly cleaning FlexTuft at a minimum of a weekly basis will help to maximize the life of the product. Sand, grit and grime on the surface of the tiles can become very abrasive and reduce the life of the product. Cleaning schedules should be adjusted based on traffic and location of the FlexTuft.

### 7.2.1 Interior Applications

Sweep, vacuum, spot clean or shampoo Interior applications for cleaning. Use a neutral pH cleaning solution or a mild soap and water solution for spot cleaning or shampooing. Immediately remove all spills from the flooring when noticed, failure to do this can lead to greater staining. **DO NOT** use highly alkaline cleaners, highly acidic cleaners, or sweeping compounds containing oils or solvents. **DO NOT** allow cleaning solutions or other chemicals that could deteriorate the adhesive to stand on the flooring.

### 7.2.2 Exterior Applications

Hose, Sweep, vacuum, spot clean or shampoo Exterior applications for cleaning. Use a neutral pH cleaning solution or a mild soap and water solution for spot cleaning or shampooing. Immediately remove all spills from the flooring when noticed, failure to do this can lead to greater staining. Tiles can be left to dry naturally. **DO NOT** use highly alkaline cleaners, highly acidic cleaners, or sweeping compounds containing oils or solvents. **DO NOT** allow cleaning solutions or other chemicals that could deteriorate the adhesive to stand on the flooring.

## 8. TECHNICAL SERVICES

### 8.1 Technical Assistance

Obtain Technical service information and assistance by calling Flexco® Customer Service at 1-800-633-3151, emailing [info@flexcofloors.com](mailto:info@flexcofloors.com), [technical@flexcofloors.com](mailto:technical@flexcofloors.com), or by visiting [www.flexcofloors.com](http://www.flexcofloors.com).

### 8.2 Samples

Obtain Samples by calling Flexco® Customer Service at 1-800-633-3151 or by visiting [www.flexcofloors.com](http://www.flexcofloors.com).

## 9. AVAILABILITY AND COST

Products are available through Flexco® distributors. Contact Flexco® Customer Service at 1-800-633-3151 or visit [www.flexcofloors.com](http://www.flexcofloors.com) for a list of distributors.

## 10. LIMITED WARRANTY

Flexco Corporation manufactures and markets its floor products under the trade name Flexco®. Flexco warrants Vulcanized and Non-Vulcanized FlexTuft for a period of five (5) years from date of installation to be free of defects in material and workmanship. Flexco warrants Vulcanized and Non-Vulcanized FlexTuft for a ten (10) year Limited Wear Warranty. Flexco warrants Vulcanized and Non-Vulcanized FlexTuft for the useful lifetime of the product against delamination. Flexco does not guarantee Vulcanized or Non-Vulcanized FlexTuft installed in a linear or non-parquet manner. Flexco does not guarantee Vulcanized or Non-Vulcanized FlexTuft products against fading or discoloration when exposed to direct sunlight or indirect sunlight. This Limited Warranty only applies to Flexco Vulcanized or Non-Vulcanized FlexTuft that has been installed, maintained, and used strictly in accordance with Flexco's written instructions and is valid only under normal wear and traffic conditions in a use for which it was designed. Obtain installation instructions from a Flexco distributor, [www.flexcofloors.com](http://www.flexcofloors.com), emailing [installhelp@flexcofloors.com](mailto:installhelp@flexcofloors.com) or by calling 1-800-633-3151. Make any notice of any defect in writing to Flexco within thirty (30) days after buyer learns of the defect. Return no merchandise to Flexco without prior inspection and written approval. Buyer's sole and exclusive remedy for breach of this Limited Warranty shall be a pro rata credit, based on the period remaining in this Limited Warranty, toward the purchase of new FlexTuft, or in the event, FlexTuft is not available, other Flexco tile. Replacement credit shall be equal to the proportion of Limited Warranty time remaining multiplied by the current price of FlexTuft or the last price if FlexTuft is not available. If suspecting excessive wear, the original purchaser must contact Flexco and consent to an inspection of the floor. If Flexco determines excessive wear, and the flooring properly installed and maintained; Flexco will replace the floor based on the following terms. Within one-year, Flexco will provide material of the same or similar nature and reasonable labor after submission in writing and prior approval. Between one and two-years, Flexco will provide material of the same or similar nature and fifty-percent (50%) of reasonable labor after submission in writing and prior approval. After two-years and prior to ten-years, Flexco will provide material of the same or similar nature to repair or replace the defective material. Flexco

will not pay labor cost associated with the replacement. In no event shall Flexco be liable for incidental or consequential damages, even if some other provision of this Limited Warranty is unenforceable. Buyer waives all other claims, and remedies against Flexco, whether statutory, based in common law or in equity, and including, but not limited to, direct, indirect, special, incidental, and consequential damages. In order to use this Limited Warranty, Buyer must present proof of time of purchase to Buyer's Flexco representative. Flexco shall have no liability whatsoever to Buyer in the event the goods become defective if such defect is caused in whole or part by cuts, tears, vandalism, fire, willful destruction, improper installation, or improper maintenance, accident or act of God. These warranties are expressly in lieu of any other warranties expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. By retaining Flexco's merchandise for more than five (5) days after receipt of such merchandise, Buyer agrees that it accepts the terms of this Limited Warranty and that there are no warranties or rights beyond those contained herein.