

Section 9 Resilient Flooring

1. Product Identification

Flexco® Prime Sports Flooring

2. Company Information

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3. Product Description

3.1 Basic Application

Flexco® Prime Sports Rubber Flooring combines the durability of both vulcanized post-consumer recycled tire material from commercial and automobile tire compositions mixed with vulcanized post-industrial recycled and colored rubber EPDM (Ethylene-Propylene Diene Monomer) chips which are encapsulated in a premium urethane binder creating very tough and durable flooring. Prime Sports Flooring is also available in all Black with no EPDM Color Chips. Prime Sports Flooring is designed for commercial, residential, industrial and fitness applications. It is also recommended for play areas, golf shops, fitness centers, home gyms, day care, ramps, locker rooms, cardio areas, ice arenas and retail flooring. Prime Sports Flooring features outstanding sound and shock absorption. The product is resilient and homogeneous, and the coloration chips allow you the design flexibility for today's commercial and residential interiors. Prime Sports Flooring is not a laminated product, so the EPDM Color Chips will not wear off, nor will the floor delaminate. Flooring provides excellent resistance to abrasion, chipping, cracking for rugged performance. Prime Sports Flooring is flexible for fast and economical installations, and available in Rolls, Square Edge Tiles and Inter-Locking Tiles in four-gauges offering endless installation opportunities. Both 3/8" (9.00mm) & 1/2" (12.00mm) gauge Inter-Locking Tiles are designed for interior loose-lay installations allowing easy removal and replacement of damaged tiles. The addition of the post-consumer waste rubber not only adds a unique visual & durable appeal to the product, but also enhances slip resistance and helps reduce fatigue. Because the rubber is obtained as post-consumer (EPDM Color Chips) and post-industrial (Recycled Tires) recycled Prime Sports Flooring can contribute to the LEED® Green Building Certification System. To complement the variety of color chips, coordinating wall base and accessories are available. This product may contribute to the LEED® Green Building Certification System credits MR 4.1, MR4.2, MR5.1 and MR5.2.

3.2 Product Construction

Flexco® Prime Sports Flooring is a solid, homogeneous rubber product manufactured from vulcanized post-industrial rubber color chips (EPDM) and vulcanized post-consumer commercial and automobile tires, bonded together with a premium urethane binder. This resilient, monolithic flooring is uniform with respect to color, pattern effect, and composition, throughout its thickness. Prime Sports Flooring is not a laminated product, so the color chips (EPDM) will not wear off. The addition of post-consumer waste rubber, a renewable resource, adds visual appeal while enhancing slip resistance, sound and shock absorption. This product may contribute to the LEED® Green Building Certification System credits MR 4.1, MR4.2, MR5. 1 and MR5.2.

3.3 Flexco Prime Sports Flooring

EPDM Colors, EPDM Chip Color Percentage, Weights, Packaging, Dimensions, Gauges, Minimum Quantities & Custom Colors

3.3.1 Roll Material

Gauges: 5/32" (4.00mm), 1/4" (6.00mm), 3/8" (9.00mm) & 1/2" (12.00mm), nominal (tolerance +/- .015") Width: 48" (1.22m) Nominal (tolerance +/- 1/4")

Length: 49.5 feet (15.09m) Nominal (tolerance +/- 1")

Roll Installation: All roll material must be fully adhered when installed either indoors or outdoors with Flexco #220 Adhesive.

Packaging: Shrink wrapped and palletized

Approximate Weight: See weight chart below for complete details.

EPDM Chip Colors: #200 Evergreen, #201 Ruby Red, #202 Dove, #203 Vanilla, #204 Starlight, #205 Blue Ice, #206 Daffodil and #01 Black Dahlia (no EPDM Chip Color Content)

EPDM Color Chip Percentage Content: All Black (No EPDM Color Chip Content), 10% EPDM Color Chip Content, 15% EPDM Color Chip Content, and increments of 10% thereafter of EPDM Color Chip Content up to 90%.

Lead-Time: Custom & Non-Stocking SKU's - Two-Three weeks.

Weights (approximate) per Roll by EPDM Color Chip Content

Gauge:	Black	10%	15%	20%	30%	40%	50%	60%	70%	80%	90%
5/32" (4.00mm)	202lbs	202lbs	202lbs	202lbs	222lbs	222lbs	222lbs	242lbs	242lbs	262lbs	262lbs
1/4" (6.00mm)	302lbs	302lbs	302lbs	302lbs	322lbs	322lbs	322lbs	342lbs	382lbs	382lbs	402lbs
3/8" (9.00mm)	442lbs	442lbs	452lbs	462lbs	462lbs	482lbs	482lbs	522lbs	542lbs	562lbs	582lbs
1/2" (12.00mm)	602lbs	622lbs	632lbs	642lbs	642lbs	662lbs	662lbs	702lbs	742lbs	762lbs	782lbs

*Roll weights include 2lb. cardboard core.

3.3.2 Stocking Square Edge Tile

Gauges: 5/32" (4.00mm), 1/4" (6.00mm), 3/8" (9.00mm) & 1/2" (12.00mm), nominal (tolerance +/- .015") Size: 36" x 36" (914.4mm x 914.4mm) nominal (tolerance +/- 1/4")

Square Tile Installation: All Square Edge tile installed either indoors or outdoors must be fully adhered with Flexco #220 Adhesive.

Packaging: Unboxed Tiles - shrink wrapped & palletized

Approximate Weight: See weight chart below for complete details.

EPDM Chip Colors: #200 Evergreen, #201 Ruby Red, #202 Dove, #203 Vanilla, #204 Starlight, #205 Blue Ice, #206 Daffodil and #01 Black Dahlia (no EPDM Chip Color Content)

EPDM Color Chip Percentage Content: All Black (No EPDM Color Chip Content), 10% EPDM Color Chip Content, 15% EPDM Color Chip Content, and increments of 10% thereafter of EPDM Color Chip Content up to 90%.

Lead-Time: Custom & Non-Stocking SKU's - Three-Four weeks.

Weights (approximate) per Square Tile by EPDM Color Chip Content

Gauge:	Black	10%	15%	20%	30%	40%	50%	60%	70%	80%	90%
5/32" (4.00mm)	9.0lbs	9.0lbs	9.0lbs	9.0lbs	9.9lbs	9.9lbs	9.9lbs	10.9lbs	10.9lbs	11.7lbs	11.7lbs
1/4" (6.00mm)	13.5lbs	13.5lbs	13.5lbs	13.5lbs	14.4lbs	14.4lbs	14.4lbs	15.3lbs	17.1lbs	17.1lbs	18.0lbs
3/8" (9.00mm)	19.8lbs	19.8lbs	20.5lbs	20.7lbs	20.7lbs	21.6lbs	21.6lbs	23.4lbs	24.3lbs	25.2lbs	26.1lbs
1/2" (12.00mm)	27.0lbs	27.9lbs	28.5lbs	28.8lbs	28.8lbs	29.7lbs	29.7lbs	31.5lbs	33.3lbs	34.2lbs	35.1lbs

3.3.3 Inter-Locking Tile

Gauges: 5/32" (4.00mm), 1/4" (6.00mm), 3/8" (9.00mm) & 1/2" (12.00mm), nominal (tolerance +/- .015") Size: 36" x 36" (914.4mm x 914.4mm – 9sq/ft) nominal (tolerance +/- 1/4")

*Inter-Locking Tile Size measured from outside tabs.

*Inter-Locking square foot size without tabs: 8.20 sq/ft

Caution: When measuring for the installation of Inter-Locking Tile, the actual tile size is not a "true" 36" x 36" (914.4mm x 914.4mm) due to interlocking tabs. Therefore, all job measuring and installation must be based on 8.20 sq/ft per tile. Inter-Locking Tile Installation: Both 3/8" (9.00mm) & 1/2" (12.00mm) gauges designed to be installed indoors without adhesive. Inter-locking tile gauges of 5/32" (4.00mm) and 1/4" (6.00mm) must be fully adhered with Flexco #220 Adhesive for indoor installations.

Inter-Locking Tile Installation: Both 3/8" (9.00mm) & 1/2" (12.00mm) gauges designed to be installed indoors without adhesive. Both 5/32" (4.00mm) and 1/4" (6.00mm) gauges must be fully adhered with Flexco #220 Adhesive for indoor installations. All Inter-Locking Tile Gauges must be fully adhered when installed outdoors with Flexco #220 Adhesive. Packaging: Unboxed Tiles - shrink wrapped & palletized

Approximate Weight: See weight chart below for complete details.

EPDM Chip Colors: #200 Evergreen, #201 Ruby Red, #202 Dove, #203 Vanilla, #204 Starlight, #205 Blue Ice, #206 Daffodil and #01 Black Dahlia (no EPDM Chip Color Content)

EPDM Color Chip Percentage Content: All Black (No EPDM Color Chip Content), 10% EPDM Color Chip Content, 15% EPDM Color Chip Content, and increments of 10% thereafter of EPDM Color Chip Content up to 90%.

Lead-Time: Custom & Non-Stocking SKU's - Three-Four weeks.

Weights (approximate) per Inter-locking Tile by EPDM Color Chip Content

Gauge:	Black	10%	15%	20%	30%	40%	50%	60%	70%	80%	90%
5/32" (4.00mm)	8.2lbs	8.2lbs	8.2lbs	8.2lbs	9.0lbs	9.0lbs	9.0lbs	9.8lbs	9.8lbs	10.7lbs	10.7lbs
1/4" (6.00mm)	12.3lbs	12.3lbs	12.3lbs	12.3lbs	13.1lbs	13.1lbs	13.1lbs	13.9lbs	15.6lbs	15.6lbs	16.4lbs
3/8" (9.00mm)	18.0lbs	18.0lbs	18.4lbs	18.9lbs	18.9lbs	19.7lbs	19.7lbs	21.3lbs	22.1lbs	23.0lbs	23.8lbs
1/2" (12.00mm)	24.6lbs	25.4lbs	26.0lbs	26.2lbs	26.2lbs	27.1lbs	27.1lbs	28.7lbs	30.3lbs	31.2lbs	31.2lbs

3.3.4 Custom Colors

Custom Color Matching Available upon request.

Custom Color Matching Pricing: All cost for custom color matching will be quoted on a per job basis. Available

Sizes: Rolls, Square Tile and Inter-Locking Tile

Available Gauges: 5/32" (4.00mm), 1/4" (6.00mm), 3/8" (9.00mm) and 1/2" (12.00mm)

EPDM Color Chip Content : All Black (No EPDM Color Chip Content), 10% EPDM Color Chip Content, 15% EPDM Color Chip Content, and increments of 10% thereafter of EPDM Color Chip Content up to 90%. Minimum

Order: Full Cylinders only. Contact Customer Service for details.

Requirements: Customer signed approval required.

Lead-Time: Three - Four weeks from date of customer signed approval.

Returns: No returns permitted for custom color matching.

3.3.5 Flexco Vinyl Accessory Indoor Recommendations for Rolls, Square Tile & Inter-Locking Tile

5/32" (4.00mm):

Vinyl: #156 Underslung Reducer, #185 3/16" Transition Edge Guard

1/4" (6.00mm):

Vinyl: #162 Snap-down Divider, #167 Tile and Carpet Reducer, #168 1/4" Resilient-to-Carpet Transition, #183 1/4" Transition Edge Guard, #186 1/4" Carpet Edge Guard

3/8" (9.00mm):

Vinyl: #158 3/8" Carpet Edge Reducer, #160 Ceramic/Wood Carpet Transition, #163 Snap Down T Edge Divider, #177A 3/8" Carpet Edge Reducer

1/2" (12.00mm):

Vinyl: #157 1/2" Reducer, #164 Snap Down Reducer

Flexco Vinyl Accessory Products are recommended for indoor use only!

4. Technical Data

American Society for Testing and Materials (ASTM)

4.1 Technical & Specification Data

4.2 Granulate: 1 - 3 mm EPDM, Black 8/16 SBR

4.3 Binder: Urethane

- 4.4 ASTM D-3389 (H-18 Wheels, 500 g/load, 1000 cycles) Taber Abrasion: < 0.50 grams weight loss.
- 4.5 ASTM C 1028 Static Coefficient of Friction (Slip Resistance): Dry – 0.88
- 4.6 ASTM F 373, Thickness Tolerance: +/- 0.015”
- 4.7 ASTM D 624 Die C, Tear Strength: 70ppi
- 4.8 ASTM F 137, Flexibility: Passes – 6mm Mandrel
- 4.9 ASTM F 1514, Resistance to Heat: Delta E: 2.24 and AATCC Gray Scale: 3.85 average.
- 4.10 ASTM F 925 Resistance to Chemicals: No Change. Staining Agent List - 5%, Acetic Acid, 70% Isopropyl Alcohol, Mineral Oil, 5% Sodium Hydroxide, 5% Ammonia, Bleach, 5% Phenol, Gasoline, Sulfuric Acid, Kerosene and Olive Oil.
- 4.11 ASTM F 970 Static Load Limit: 250 psi, (modified 400 psi).
- 4.12 ASTM D-2240 Hardness Shore A: 60 +/- 5 minutes
- 4.13 ASTM D 395B Compression Set: 12% or less.
- 4.14 ASTM D-792 Density PCF: 65lbs/cu/ft

5. Product Limitations/Precautions

Flexco Prime Sports Flooring, when required, must be installed using Flexco #220 One-Part Solvent-Free Moisture-Cured Polyurethane Adhesive. Flexco #220 One-Part Solvent-Free Moisture-Cured Polyurethane Adhesive must be used for all interior & exterior installations of Prime Sports Flooring Rolls, Square Edge Tile & Inter-Locking Tile. Do not install Prime Sports Flooring if visual defects are discovered, material does not match or if the wrong type, color or gauge was received. Flexco will not be held liable for material or labor if flooring is installed with visual defects or if incorrect material was received. Rain or exposure to moisture within 72 hours after installation may slow the adhesive set up time, and may adversely affect the adhesive, resulting in an installation failure. Therefore, use extreme caution when installing outdoors. Flexco Vinyl Accessory Products recommended for the installation of Prime Sports Flooring is limited to indoor use only. Since Prime Sports Flooring is manufactured from recycled material content, slight lot-to-lot color variations should be expected. Actual product colors may not appear exactly as shown in literature or samples provided. Permanent indentation can occur if excessive weight (i.e.: weight machines, free weights and stationary equipment etc.) is installed directly on the flooring. Flexco Prime Sports Flooring in either 3/8” (9.00mm) & 1/2” (12.00mm) gauges only which are fully adhered with recommended adhesive may be used for ice rink applications, excluding penalty boxes, dug-outs, pivot-points, concession stands, changing rooms, entrances and exits to and from the ice rink itself. Skate guards are required in these areas to prevent premature deterioration to extend the life of the flooring. Caution: Indoor loose-lay installations of Inter-Locking Tile are limited to 3/8” & 1/2” gauges only (do not loose-lay 5/32” or 1/4” inter-locking tile). All gauges of rolls, square & inter-locking tile can be installed either indoors or outdoors if fully adhered with FLEXCO #220 ADHESIVE. Skiving marks from the manufacturing and cutting process on the face of the flooring is not deemed defective, which is typical for this type of flooring. All skiving marks must be installed in the same direction to prevent shading. When installing single/multiple rolls, square tile or inter-locking tile, always verify color matching prior to installing. The product must be installed in accordance with Flexco Floor’s recommendations in order for the product warranty to be in effect. Prime Sports Flooring may be stained if it is allowed to remain in contact with rubber products that may contain staining ingredients such as tires, casters, and walk-off mats. Flooring may become distorted or stained when exposed to chlorine (i.e.: swimming pools and hot-tubs etc.). Consult the chemical resistance test data sheets or Flexco’s Customer Service to assure that disinfectants, cleaning agents, or other chemicals that may come in contact with the flooring will not produce permanent discoloration and/or deterioration. Flexco will not warranty Prime Sports Flooring products against fading or discoloration when exposed to direct or indirect sunlight. Prime Sports Flooring is not to be used in or near commercial kitchens or

in areas exposed to animal fats, greases, oils, lubricating oils, solvents, strong detergents, petroleum-based material, chlorine or any product that may discolor or stain the flooring, or where there is excessive moisture. Follow all local, state, and federal safety standards and practices.

6. Installation

6.1 General Preparation and Conditioning

First read Flexco Prime Sports Flooring literature concerning the product description, product limitations, product installation, adhesive information, product maintenance, and warranty before installing the flooring. All materials are to be delivered 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). Remove all plastic wrapping and strapping from the pallets in the installation area at least 48 hours prior to installation. For proper acclimatization, remove the flooring from the packaging and stack tiles or stand rolls evenly on a smooth dry surface with tiles stacked no more than 18" high. Rolls must be unrolled and allowed to relax for 48 hours before installing. The installation area, substrate, tile, 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. Flooring should be loose laid in the room or area prior to spreading of adhesive to determine the proper layout to assure the best overall appearance and to minimize small border cuts. Inspect all material for proper type and color. Conduct the proper moisture emission and pH testing on the substrate. Proceed with the installation only when the conditions are proper and correct. A bond test using Flexco #220 One-Part Solvent-Free Moisture-Cured throughout the area approximately 50 feet apart should be performed at least one week prior to the scheduled installation to assure the surface is suitable. After 72 hours, there should be an unusual amount of force to lift the flooring from the substrate with adhesive bonding to the tile and the substrate. Close the area to traffic during installation. Install flooring and accessories after other finishing operations, including painting, have been completed. If the back of the flooring becomes soiled prior to installation, clean with a soft cloth dampened with a mild soap and water solution, rinse, let dry. 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 adhesive bond from being adversely affected. **Notice:** If the flooring is not laid in the same direction, the reflection of light will cause an optical illusion, making the surface appear to be different shades. When installing single/multiple rolls, square tile or inter-locking tile, always verify color matching prior to installing. **Warning:** Follow all local, state, and federal standards and practices for the proper removal and disposal of flooring, adhesives, or other materials. Follow all local, state, federal, and manufacturer's safety standards for the use of all products and equipment.

6.2 Subfloor/Substrate Inspection and Preparation

6.2.1 All subfloors/substrates must be inspected 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. Care must be taken 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.

* Some previous manufactured asphaltic "cutback" contained asbestos. For removal instructions, refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Covering".

6.2.2 Concrete substrates on all Grade Levels must be tested in accordance with ASTM F 1869 to quantitatively determine the amount of moisture vapor emission at least one week prior to the installation. **CAUTION:** Calcium Chloride test cannot predict long-term moisture conditions of concrete slabs. Moisture testing only indicates moisture conditions at the time the tests are performed. Before conducting a Calcium Chloride 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 Calcium Chloride test 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 moisture emission shall not exceed 4.0 pounds per 1000 square feet per 24 hours. If the substrate does not meet the moisture emission requirement, the flooring shall not be installed until the problem has been corrected. DO NOT install the 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. A pH test must be performed to test for excessive alkalinity using a pH pencil or litmus paper and deionized 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 to dry. Re-rinse with clear water, allow to dry 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 the test is conducted, and cannot be used to 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 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. Corrective measures such as bead blasting (shot blasting) or scarifying must be performed 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 class 2 or call 4 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. Expansion joint covers designed for use with resilient flooring should be used. Any non-moving surface cracks, depressions, and other irregularities shall be filled and smoothed with 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. 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 11 7R. The surface shall be cleaned 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 A1 57.1, *Recommended Practice for Concrete Floor and Slab Construction*) for the preparation of concrete to receive resilient flooring.

6.2.3 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 not 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 subfloor 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, lauan, 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 subfloor 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 construc-

tion 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 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 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. Flexco 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 to be used as subfloors/substrates must be thoroughly cleaned of any residue, oil, rust, and oxidation and properly sanded/grinded to provide a smooth, level, clean substrate to receive the resilient flooring. The flooring must be installed within 12 hours after sanding/grinding to prevent the metal flooring from re-oxidizing. The metal subfloor shall be structurally sound. Deflection of the metal floor can cause a bond failure between the adhesive and the metal substrate. On an extremely smooth, non-porous or metal substrates, a longer "tack up" may be required in order to prevent the adhesive from oozing between the seams. Caution: The installation of stair-treads, risers or other flooring material will not prevent deterioration of metal substrates from occurring.

Adhesive Information

6.2.6 Flexco #220 Solvent-Free Moisture-Cured Polyurethane Adhesive

Flexco #220 Solvent-Free Moisture-Cured Polyurethane Adhesive is a premium one-part adhesive designed for high performance installations of Flexco Prime Sports Flooring for indoor installations over porous, metal and other non-porous substrates, on grade, below grade, or above grade. FLEXCO #220 ADHESIVE is also required for all outdoor installations of rolls, square & inter-locking tile over concrete. In addition, FLEXCO #220 ADHESIVE is required when installing 5/32" (4.00mm) or 1/4" (6.00mm) Inter-Locking Tile indoors to prevent tile from curling. Caution: Rain or exposure to moisture within 72 hours after installation may slow the set up time, and may adversely affect the adhesive resulting in an installation failure. Therefore, use extreme caution when installing outdoors. Flexco #220 has excellent plasticizer migration resistance and superior bond strength. Trowel size and spread rates will vary depending on porosity of the substrate and subfloor. For smooth or non-porous substrates (i.e.: metal, terrazzo & ceramic tile), a 1/16" x 1/16" x 1/16" square notch trowel is required and the approximate coverage is 90-100 square feet per gallon. Flexco #220 Adhesive must be allowed to "tack-up" approximately 15 minutes over non-porous substrates (i.e.: metal, terrazzo, ceramic tile) and the flooring must be continuously rolled until the adhesive has dried completely. However, do not allow the adhesive to dry or "skin-over" or extend the "tack-up" time causing very little or no adhesive transfer to the backing of the flooring resulting in an installation failure. For installations over porous or rough substrates, a 3/32" x 3/32" x 3/32" "U" notch trowel is required (approx. coverage: 75-80 sq/ft per gallon) and the adhesive must be allowed to "tack-up" approximately 15 minutes before installing flooring. Coverage will vary according to the type of surface, surface texture, spreading angle, and adhesive temperature). Flexco #220 Adhesive is moisture cured polyurethane adhesive, therefore, the open time will vary depending on ambient temperature, substrate temperature and relative humidity. Typical working time is approximately 3 hours at 75°F (24°C) and 50% relative humidity. At elevated relative humidity levels, the working time can be shortened. Caution: If too much adhesive is applied, oozing at seams, air-bubbles, adhesive displacement, and telegraphing may occur along with adhesive displacement when the floor is rolled or exposed to rolling loads and lateral shear stress resulting in loose and unsightly areas. Therefore, test trowel size and flooring prior to installation to avoid the above noted potential problems. Adhesive is available in two gallon and five gallon pails. Shelf life is six-months @ 70° F (21°C) in an unopened container. Although the urethane components are non-freezing, the adhesive must be allowed to stabilize to ambient temperature before applying. Any adhesive on the surface of the tile/flooring or surrounding area must be removed immediately with a clean cloth dampened with mineral spirits. DO NOT allow the adhesive to cure on the surface of the flooring, tools etc. A bond failure will occur if the adhesive is not properly applied. 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 #220 One-Part Solvent-Free Moisture-Cured Calculated VOC's according to California Rule #1168: 0 calculated grams per liter of coating.

6.3 Adhesive Application and Product Installation

6.3.1 Prime Sports Flooring Square Edge & Inter-Locking Tile Installation using Flexco #220 One-Part Solvent-Free Moisture-Cured Polyurethane Adhesive

Read product limitation/precautions and installation literature before proceeding. Follow safety precautions on the adhesive label and Material Safety Data Sheet. Allow enough material for doorways, closets, alcoves etc. Dry lay the flooring to ensure desired aesthetics can be achieved prior to installing. All Prime Sports Flooring Square and Inter-locking tiles installed outdoors must be fully adhered with Flexco #220 Adhesive. All interior installations of Square Tile must be fully adhered with Flexco #220 Adhesive. All 5/32" (4.00mm) and 1/4" (6.00mm) Gauge Inter-Locking Tile installed indoors must be fully adhered with Flexco #220 Adhesive to prevent curling. Both 3/8" (9.00mm) and 1/2" (12.00mm) Gauge Inter-Locking Tile installed indoors can be loose-laid. Pour the contents of the container onto the substrate and spread evenly, do not puddle adhesive, using the required 1/16" x 1/16" x 1/16" square notch trowel for installations over smooth or non-porous substrates (approx. coverage: 90- 100 sq/ft per gallon). For installations over rough or porous substrates, a 3/32" x 3/32" x 3/32" "U" notch trowel is required (approx. coverage: 75-80 sq/ft per gallon). Spreading large areas of adhesive in excess of 150 square feet could possibly allow the adhesive to cure or setup before the flooring is installed which would result in a bond failure. FLEXCO #220 ADHESIVE must be allowed to "tack-up" approximately 15 minutes over non-porous substrates (i.e.: metal, terrazzo, ceramic tile) and the flooring must be continuously rolled until the adhesive has dried completely. Do not allow the adhesive to dry or "skin-over" causing very little or no adhesive transfer to the backing of the flooring resulting in an installation failure. *Caution:* Open time and curing characteristics will vary upon the type of substrate, substrate temperature, ambient temperature, relative humidity, and proper conditioning of the adhesive. Allowing the adhesive to remain open too long will result in a bond failure. *Notice:* A "bottom-down" sticker has been placed on the back of Square Edge Tile & Inter-Locking Tile indicating the floorings underside. Install all tiles face up to prevent shading issues. *Notice:* Square Edge & Inter-Locking Tile is to be installed in the same manner as traditional tile products. However, Square Edge Tile can be installed in a staggered joint configuration, if preferred to achieve the appearance desired. It is extremely important the tile is balanced in the room to enhance the appearance of the installation, and all bordering tile should be equal in dimension verifying the layout is correct. The room must be precisely measured in order to square-off the area, in order to determine the center point. First, measure area where tile is to be installed to determine the best starting position in the room. Then use a chalk line to mark two lines that intersect these positions at right angles, creating four (4) quadrants. Starting at the corner of one (1) quadrant, install tiles in a pyramid design, ensuring proper tile alignment and proper adhesive (90%) transfer to the products backing. Alignment is to be checked continuously throughout the installation and corrected if needed. Square Edge Tile can be installed in a staggered joint configuration to achieve the appearance desired. The flooring can also be installed diagonally. Carefully select the ideal layout to avoid seams in high traffic areas, while achieving an equal balanced in the room, and all side cuts should be equal in dimension. Fit tile tightly together. If seam gapping occurs, utilize masking tape (Do not use Duck Tape or similar type products) temporarily to hold the seams tightly together until the adhesive cures (approx. 48 hours). When laying the flooring, use a kneeling board, or for best results, work off the flooring whenever possible to avoid shifting of the flooring and to also not track adhesive onto the surface of the flooring. If the adhesive is bleeding or oozing at the seams, either too much adhesive has been applied, or the adhesive is too "wet". Immediately remove excessive wet adhesive with a soft, clean cloth dampened with warm mineral spirits. When installing all 5/32" (4.00mm) and 1/4" (6.00mm) gauge material, it may be necessary to weight-down the seams until the adhesive has cured. Always install the flooring gently into the adhesive to avoid trapping air and preventing bubbles beneath the flooring. *Caution:* If the adhesive is allowed to dry on the face of the flooring, tool etc, it can not be removed. Periodically, lift the flooring to check for proper adhesive transfer. There should be at least a 90% coverage of adhesive on the back of the flooring. Observe the adhesive to assure that the adhesive has not surpassed the open time and has not begun to cure. Borders and other specialty cut tiles/flooring must be scribed and cut to fit snugly, not tightly, against the wall, threshold, transition strip, fixtures, or other obstacles. Forcing incorrectly sized flooring into smaller areas will cause buckling of the flooring. DO NOT wait until all the main aisle flooring has been installed to begin laying the borders. Lay the border tiles/flooring within the adhesive open time. Roll and cross roll each section of flooring laid with a 100- pound (45 kgs) 3-section roller within 15 minutes after the flooring section has been installed. The rolling time may need to be adjusted to climatic conditions. Use a hand roller in areas that cannot be reached with the larger

roller. Conduct a visual inspection during the rolling process to assure there has been no shifting of the flooring and that there is no adhesive on the surface of the flooring. DO NOT wait until the entire installation is completed 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 and thereafter as needed. There is to be no foot traffic on the floor for at least 72 hours. Protect flooring against marks, marks, indentations and other damage.

6.3.2 Prime Sports Flooring Roll Material Installation using Flexco #220 One-Part Solvent-Free Moisture-Cured Polyurethane Adhesive

Read product limitation/precautions and installation literature before proceeding. Follow safety precautions on the adhesive label and Material Safety Data Sheet. Must have adequate ventilation. Allow enough material for doorways, closets, alcoves etc. Allow an extra 3" for trimming or more if necessary for walls that are not square. Dry lay the flooring to ensure desired aesthetics have been achieved prior to installing. If the back of the flooring becomes soiled prior to installation, clean with a soft cloth dampened with clean water or denatured alcohol, clean, and let dry. DO NOT allow the urethane adhesive to stand in an open container. **Immediately** after opening the container, pour the contents of the container onto the substrate and spread evenly, do not puddle adhesive, using the required 3/32" x 3/32" x 3/32" "U" notch trowel over rough or porous substrates (approx. coverage 75-80 square feet per gallon). Over non-porous or smooth substrates, the spread coverage using the required 1/16" x 1/16" x 1/16" square notch trowel is approximately 90-100 square feet per gallon. Caution: If too much adhesive is applied, oozing at seams, air-bubbles, adhesive displacement, and telegraphing may occur when the floor is rolled, exposed to rolling loads and lateral shear stress and heavy objects resulting in loose and unsightly areas. Therefore, test trowel size and flooring prior to installation to avoid the above noted potential problems. When installing rolls, install each roll and cuts in the same direction (do not reverse the seams)! If the flooring is not laid in the same direction, the reflection of light will cause an optical illusion, making the surface appear to be different shades. Stagger roll materials cross-seams at least 6-10-feet apart to prevent seam weakness, while also improving the appearance of the installation. After positioning the first roll of material, position the second roll to overlap the first roll at the seam no more than 1/16". After adhesive is applied beneath the seam, work the overlapped seam material back to eliminate the overlap (do not leave the seams overlapped). Following this procedure will ensure the seams are fitted tightly together, eliminating unsightly gaps. Repeat this procedure for each consecutive roll installed, including cross-seams. Spreading large areas of adhesive in excess of 150 square feet could possibly allow the adhesive to cure or setup before the flooring is installed which would result in a bond failure. Flexco #220 Adhesive must be allowed to "tack-up" approximately 15 minutes over non-porous substrates (i.e.: metal, terrazzo, ceramic tile) and the flooring must be continuously rolled until the adhesive has dried completely. However, do not allow the adhesive to dry or "skin-over" causing very little or no adhesive transfer to the backing of the flooring resulting in an installation failure. *Caution:* "Tack up" time, open time, and curing characteristics will vary upon the type of substrate, temperature of the substrate, ambient temperature, humidity, and proper conditioning of the adhesive. Observe the adhesive to assure the adhesive has not surpassed its open time and started to cure. *Notice:* A "bottom-down" sticker has been placed on the back of the Rolls, Square Edge Tile & Inter-Locking Tile indicating the flooring's underside. Install all products and runs face up to prevent shading issues. When installing rolls, the finished face of the product is rolled face-out from the factory, which requires the material to be unrolled and turned over on the job-site. This will allow the material to relax and ensure the seams, ends and cross-seams lay flat against the substrate. When installing rolls, install each roll and cuts in the same direction (do not reverse the seams)! If the flooring is not laid in the same direction, the reflection of light will cause an optical illusion, making the surface appear to be different shades. When laying the flooring, either use a kneeling board, or for best results work off the flooring whenever possible to avoid shifting of the flooring and to also not track the polyurethane adhesive onto the flooring. If the adhesive is bleeding or oozing at the seams, either too much adhesive has been applied or the adhesive is too "wet". Immediately remove excessive wet adhesive with a soft, clean cloth dampened with mineral spirits before the polyurethane cures. After cleaning with mineral spirits, wipe with a clean cloth dampened with clean water. DO NOT allow the polyurethane adhesive to cure on the surface of the flooring, or it will be impossible to remove. Periodically, lift the flooring to check for proper adhesive transfer. There should be at least 90% coverage of adhesive on the back of the flooring. Borders and other specialty cut tiles/flooring must be scribed and cut to fit snugly, not tightly, against the wall, threshold, transition strip, fixtures, or other obstacles. Do not wait until all the main aisle flooring has been installed to begin laying the borders. Roll and cross roll each section of tile/flooring installed with a 100-pound 3-section roller within 30 minutes after the tile/flooring section has been installed. Use a hand roller in areas that cannot be reached with the larger roller. Conduct a visual inspection during the rolling process to assure there has been no shifting of the tiles/flooring and that there is no adhesive on the surface of the floor-

ing. Inspect each section laid after rolling to check for raised edges. Roll and cross roll a second time approximately 30 minutes after the initial rolling. If necessary, roll and cross roll again, & thereafter as needed. There is to be no foot traffic on the tile for at least 48 hours and no wheeled conveyances, furniture, weights, machinery of any kind for at least 3 days. Rain or exposure to moisture within 72 hours after installation may slow the set up time, and may adversely affect the adhesive resulting in an installation failure. Therefore, use extreme caution when installing outdoors. Protect flooring against marks, marks, indentations and other damage.

7. Product Maintenance and Optional Sealer

7.1 Initial Maintenance

7.1.2 Initial Cleaning

Do not scrub, buff or mop the flooring for at least 72 hours after installation to allow the adhesive to properly cure. Do not flood the flooring when cleaning and do not allow the cleaning solution or topical moisture to work its way beneath the flooring which can result in an adhesive and/or flooring failure. Remove any covering that may have been used to protect the floor. The flooring must be properly cleaned before it is released for normal use. If the floor is brand new, it must be swept and vacuumed to remove dirt and other particulates; then scrubbed with Spartan Chemical's Shinline Multi-Surface Cleaner or Green Solutions All Purpose Cleaner using a 175 RPM single disk machine equipped with a soft-bristle scrubbing brush, or hand-scrub with a soft bristle deck brush. **DO NOT** use highly alkaline or acidic cleaners. **DO NOT** use sweeping or cleaning agents containing oils or solvents. Remove the cleaning solution with a wet/dry vacuum. Then, the flooring must be immediately rinsed with clean warm water. Remove rinse water with a wet/dry vacuum and allow to thoroughly dry before exposing to traffic. **DO NOT** flood the flooring! Always check for compatibility and performance prior to cleaning by utilizing uninstalled material or test in an inconspicuous area before proceeding to determine if the desired results can be achieved without distorting or having an adverse effect on the flooring. **DO NOT** heel the scrubbing machine. There are several alternative maintenance systems available from Spartan Chemical (800/537-8990) if a sealer is preferred. Spartan Chemical currently recommends Shinline Seal, Dura Prime or Green Solutions Floor Seal & Finish for Flexco Prime Sports Flooring. Sealer instructions are noted in section 7.2. When applying sealers, product must be applied in both directions. Caution: Applying sealers will darken the floorings original color. When applying sealers always check first for compatibility, bonding and flooring color darkening on a scrap piece of flooring to ensure the desired results and appearance is achieved. The floor care product manufacturer will assist you in determining the best maintenance program. Caution: Some germicides, disinfectants, cleaning agents, floor maintenance products, and pesticides may stain or damage the surface of the flooring; therefore, test the products to ensure they will not stain or damage the flooring. Spills of any type must be removed immediately to help prevent staining or permanent damage. The use of floor sealers may reduce the slip resistant of the flooring. Flexco will not be held liable for finishes or sealers applied directly to flooring causing them to become slippery and/or reducing the floorings slip resistance! Caution: When wet, the flooring will become slippery; therefore, use the appropriate warning signs on the flooring to eliminate foot or other traffic. Caution: Contact Spartan Chemical before applying products to verify recommendations for stripping flooring. Some strippers may have an adverse effect on the flooring. Always test first to ensure the flooring is not affected and the desired results can be achieved prior to applying strippers of any kind. *Caution:* When wet, the flooring will become slippery; therefore, use the appropriate warning signs on the floor to eliminate foot or vehicular traffic

7.2 Regular Maintenance & Optional Sealer

DO NOT scrub or mop the flooring for at least 72 hours after the installation to allow the adhesive to properly cure. Do not flood the flooring when cleaning and do not allow the cleaning solution or topical water to work its way beneath the flooring which can result in an adhesive and/or flooring failure. The flooring must be properly cleaned and allowed to dry before exposing for normal use. Insufficient cleaning will reduce the wear life and appearance of the flooring. We suggest the first month should be used as a test period to assess the best procedure for your continued maintenance program. The amount of maintenance required is directly related to the amount and type of traffic and type of particulates deposited on the floor. Sweep or vacuum daily to remove dirt or other particulates. For regular maintenance, either vacuum or use Spartan Chemical's Dust Mop/Dust Cloth Treatment when dust mopping to remove grit or particulates deposited onto the flooring. Once the flooring is clean, damp mop with Spartan Chemical's (800-537-8990) Damp Mop Detergent Concentrate, DMQ Neutral Disinfectant Cleaner or Green Solutions All Purpose Cleaner, using a commercial 175 RPM Single Disk Scrubber or a soft bristle deck brush, and allow the flooring to dry completely before recoating with sealer. Then scrub, recoat with sealer, and strip sealer as often as dictated by traffic and sealer used. If the flooring is to be sealed, Spartan Chemical currently recommends

Shineline Seal, Dura Prime (used in conjunction with Spartan Dura Gloss) or Green Solutions Floor Seal & Finish. Apply 1-2 coats only of Shineline Seal or Dura Prime with a mop, and then top with 1-2 coats only of Spartan Chemical's Dura Gloss. Apply all products in very-thin coats to avoid puddles, and in two directions. If an environmentally preferable product is desired, apply 2-4 coats only of Spartan Chemical's Green Solutions Floor Seal & Finish. Always allow each coat of sealer to completely dry before applying additional coats. Applying excessive coats of sealer or not allowing each coat to dry completely between coats will result in the sealer becoming distorted and/or release or cracking. After a period of time, the sealer may need to be removed depending on exposure to traffic etc. Spartan Chemical recommends Spartan Rinse Free Stripper, Shineline Emulsifier Plus or Green Solutions Floor Finish Remover. The flooring must be stripped using a 175 RPM Single Disk machine equipped with a pad or brush. Once the floor has been stripped, remove stripper with a wet/dry vacuum. Then rinse flooring with clear water and remove using a wet/dry vacuum and allow the flooring to completely dry. Once dry, apply sealer as directed above. *Caution:* Some germicides, disinfectants, cleaning agents, floor maintenance products, and pesticides may stain or damage the surface of the flooring; therefore, test the products to assure they will stain or damage the flooring. DO NOT heel the scrubbing machine. Spills of any type must be removed immediately to help prevent staining or permanent damage. Contact Flexco's Customer Service to obtain information concerning stain resistance to various chemicals and products. DO NOT use highly acidic or highly alkaline cleaners. DO NOT use sweeping or cleaning agents containing oils or solvents. Always check for compatibility and performance prior to cleaning by utilizing uninstalled material or test in an inconspicuous area before proceeding to determine if the desired results can be achieved without distorting or having an adverse effect on the flooring. *Caution:* When wet, flooring will become slippery; therefore, use the appropriate warning signs on the floor to eliminate foot or vehicular traffic.

8. Technical Services & Product Samples

8.1 Technical Assistance

Technical service information and assistance may be obtained by calling Flexco® Customer Service or by visiting www.flexcofloors.com

8.2 Product Samples

Samples may be obtained by calling Flexco® Customer Service or by visiting www.flexcofloors.com

9. Availability and Cost

Available through Flexco® distributors. Contact Flexco® Customer Service or visit www.flexcofloors.com for a list of distributors.

10. Limited Warranty

Flexco Floors manufactures and markets its floor products under the trade name Flexco's Prime Sports Flooring is warranted for a period of three (3) years from date of installation to be free of defects in material and workmanship, if installed, maintained, and used strictly in accordance with Flexco's written instructions and installed with the recommended Flexco Adhesives. Flexco will not warranty Prime Sports Flooring products against fading or discoloration when exposed to direct sunlight or indirect sunlight. Skiving marks from the manufacturing and cutting process on the face of the flooring is not deemed defective. All skiving marks must be installed in the same direction to prevent shading. This Limited Warranty only applies to Prime Sports Flooring, which 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. Instructions may be obtained from a Flexco distributor or by writing Flexco, Attention: Sales Service Manager, P.O. Box 553, Tuscumbia, Alabama, 35674. Notice of any defect must be made in writing to Flexco within thirty (30) days after buyer learns of the defect. No merchandise is to be returned prior to Flexco's 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 Prime Sports Flooring, or in the event Prime Sports Flooring is not available, other Flexco material. Replacement credit shall be equal to the proportion of Limited Warranty time remaining multiplied by the current price of Prime Sports Flooring or the last price if Prime Sports Flooring is not available. In no event shall Flexco be liable for labor, 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 this Limited Warranty and 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, installed with obvious defects, damaged from high heels, spike footwear, or improper maintenance, accident or act of God. Products installed as "seconds", "mill runs", "non-conforming", not being of first quality, are sold 'as is" and Flexco makes no warranties whatsoever, expressed or implied, with respect thereto, including warranties of merchantability or fitness for a particular use. This Limited Warranty is valid only if Prime Sports Flooring is installed pursuant to the Limited Warranty, using Flexco's recommended adhesives. 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. Prime Sports Flooring is not designed for use in or near commercial kitchens, or exposure to vegetable oils, animal fats, petroleum-based material, food coloring or any other product which may discolor or stain the flooring. Read the Prime Sports Flooring Product Data information concerning Product Limitations, Installation, and Maintenance available from a Flexco Distributor or Flexco Customer Service Representative.