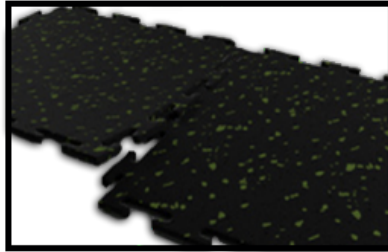


## 1. PRODUCT NAME

Sports Flooring

## 2. MANUFACTURER

PROFLEX® Products, Inc.  
1603 Grove Ave  
Haines City, FL 33844  
Telephone: 863-937-9623  
Toll Free: 877-577-6353  
Fax: 863-937-9624  
Internet: [www.proflex.us](http://www.proflex.us)



## 3. PRODUCT DESCRIPTION

PROFLEX® Sports Flooring is a high quality recycled rubber flooring that is designed to be installed anywhere traditional resilient flooring is used. PROFLEX® Sports Flooring is easy to install, clean, and maintain, incurs very low lifecycle costs, and most importantly is made in the USA.

### Uses

- Fitness Centers
- Training Rooms
- Health Centers
- Walking/Running Tracks
- Light Industrial
- Play Rooms

### Features and Benefits

- Durable
- Easy Maintenance
- Stain and Scuff Resistant
- Shock Absorbent
- Anti-Fatigue
- Through Color Composition

### Product Sizes and Color Densities

Rolls: Nominal 48" x 25' / 48" x 50' Custom cut to length above 50 linear feet

Interlocking Square Tile: 23" x 23" (Tile coverage is 3.67 square feet)

Thickness: 8mm = 5/16"

Available in solid black and in standard color fleck densities of 10% or 20% in red, blue, green, gray, tan, eggshell, yellow, purple, orange, or teal fleck on a black base.

Custom colors blends (Example: 10% red + 10% white = 20% red/white color density) or color densities up to 90% available with minimum incremental purchase.

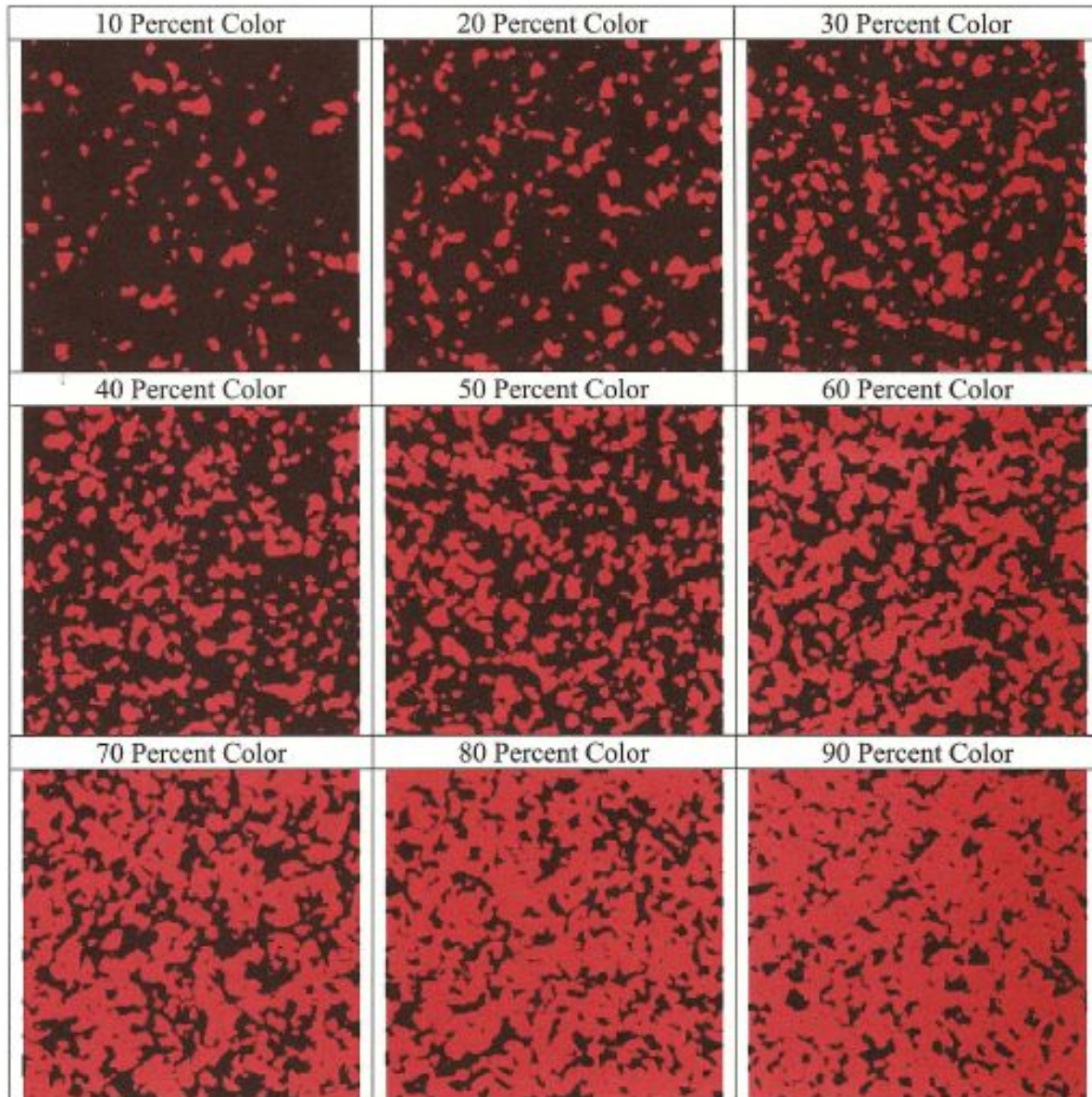
NOTE: Stock colors, blends, thicknesses, and densities may vary by region and distributors.

## 4. TECHNICAL DATA

### Flooring Specifications

	Test Method	Typical Value
Durometer, Shore A, points of hardness	ASTM D2240-97	60
Density, lbs/ft <sup>3</sup>	ASTM D297-93 Part A, Section 16.3	64
Compressibility @ 100 psi, %	ASTM F36-95	12
Recover, & after 100 psi compression	ASTM F36-95	85
Flexibility	ASTM F137-71 (1994)	F=1
Tensile, psi	ASTM D412-98a, die C @ 20 ipm	
With grain		600
Against grain		120
Tear, ppi	ASTM 624-98, die C @ 20 ipm	
With grain		150
Against grain		120
Compression Set, %, 22 hours at 158°F	ASTM D395-98, Method B	
25% deflection		40%
50% deflection		30%
Coefficient of Friction	ASTM D1894-95	
Dry		1.33
Wet		1.56
Critical Radiant Flux	ASTM E648-99	0.1 W/cm <sup>2</sup>
Flammability and Flame Spread	DOC FFI-70 CSPC	Pass
Indoor Abrasion, % of Material Loss	ASTM C501-84 (1996)	0.24
Resistance to Chemical Attack	ASTM F925-97	
Ammonia		No surface attack or color change
Bleach		No surface attack or color change
Disinfectant		No surface attack or color change
Alcohol		No surface attack or color change
Tide		No surface attack or color change
5% NaOH Solution		No surface attack or color change
Human Sweat		No surface attack or color change
Instrumented Impact, absorbed energy at rupture, ft/lbs.	ASTM D3763-00	20
Static Load Limit, residual compression	ASTM F970-98	.0016"
Rubber in Compression, % deflection	ASTM D575-91, 500 lb. load	43
Compression Endurance	10,000 fatigue cycles at 50% displacement	5% set

Gradient Chart



## 5. INSTALLATION

**Site Conditions** The installation site must be acclimated, with the HVAC system in operation. The floor and room temperature, as well as the underlayment, flooring materials and adhesives must be maintained at 65–85° F. The relative humidity also shall be below 60% for 48 hours prior to, during and after the installation.

### Surface Preparation

All subfloors must be clean, smooth, flat and dry. The surface must be free of all dust, loose particles, solvents, paint, grease, oil, wax, alkali, sealing/curing compounds, old adhesive, and any other foreign material, which could affect installation. Do not use oil based sweeping compounds. Fill all depressions, cracks, and other surface irregularities with PROFLEX® patching compounds.

Do not use liquid solvents or adhesive removers. PROFLEX® does not recommend installing over existing resilient floors. All existing flooring and adhesives must be removed prior to installing the new flooring material. Remove existing adhesive mechanically – do not use chemical adhesive removers or solvents.

Caution: Some resilient flooring products and adhesives contain "asbestos fibers" and special handling of this material is required.

**Concrete subfloors** must be constructed as recommended by the American Concrete Institute's ACI 302.2 "Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials" and prepared to receive resilient flooring according to ASTM F 710 "Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring". Do not install PROFLEX® Sports Flooring over expansion joints. All concrete subfloors must be tested for moisture, pH (alkalinity), and proper adhesive bond.

Moisture tests shall be conducted in accordance with ASTM F1869 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride" or ASTM F 2170 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs using in situ Probes".

Three tests should be conducted for areas up to 1,000 sq. ft. and one additional test should be conducted for each additional 1,000 sq. ft. of flooring. Results must not exceed 5 lbs. per 1,000 sq. ft. in 24 hours when tested to ASTM F 1869, or exceed 80% when tested to ASTM F 2170. If the tests results exceed the limitations, the installation must not proceed until the problem has been corrected.

A pH test for alkalinity must be conducted. Results should range between 7 and 9. If the test results are not within the acceptable range of 7 to 9, the installation must not proceed until the problem has been corrected. An adhesive bond test should be performed using the actual flooring materials and adhesive to be installed. The test areas should be a minimum of 36" x 36" and remain in place for at least 72 hours and then evaluated for bond strength to the concrete.

**Wood subfloors** must have a minimum 18" (47 cm) of cross-ventilated space between the bottom of the joist and ground. Exposed earth crawl spaces should be sealed with a polyethylene moisture barrier.

Subfloors should meet local and national building codes. Trade associations, such as the APA -"The Engineered Wood Association", offer structural guidelines for meeting various code requirements. Single Wood and Tongue and Groove subfloors should be covered with 1/4" (6.4 mm) or 1/2" (13 mm) APA approved underlayment plywood. Use 1/4" (6.4 mm) thick underlayment panels for boards with a face width of 3" (76 mm) or less. For boards wider than 3" (76 mm) face width use 1/2" (13 mm) underlayment panels. Countersink nail heads and fill depressions, joints, cracks, gouges, and chipped edges with PROFLEX® patching compound. Do not install over OSB (Oriented Strand Board), particle board, chipboard, lauan or composite type underlayments.

**Tiled surfaces** must be thoroughly sanded to remove all glaze and waxes. Remove or replace all loose tiles and clean the grout joints. Use PROFLEX® patching compound to fill all grout joints and other depressions.

**Steel floor surface** must be mechanically abraded to assist with bond. The floor must be cleaned to remove all dirt, rust and other contaminants. Surface must be primed using PROFLEX® Super Prime (SP1). When applying adhesive, non-porous installation instructions must be followed.

**Radiant heating system:** Turn the heat down to 65° F (18°C) for at least 48 hours before installation. Heat may be gradually returned to operating temperature 48 hours after installation. Temperature should not exceed 85°F (30°).

**Gypsum Concrete:** All gypsum based concrete beds must be primed with PROFLEX® Super Prime (SP1).

#### **Approved Adhesives**

PROFLEX® PWA 200, PWA 500, PWA 600, PWA 700, ProBond, SFA (Sports Flooring Adhesive)

\* All other adhesives contact technical support for approval

#### **Adhesive Application**

Apply adhesive to the substrate using a 1/16" square notch trowel (approximately 90 sq.ft per gallon). Due to varying substrates conditions it may be necessary to adjust trowel size to ensure 100% coverage and transfer between flooring and substrate. Periodically check adhesive transfer to back of flooring.

#### **Roll Installation**

Unroll / unpack the flooring in one direction and allow it to equilibrate with the installation environment for a period of 12 hours or more prior to final installation. This will allow the flooring time to relax as it is stretched somewhat during manufacturing.

It is a good idea to roll out the floor now in such a fashion that will minimize excess cuts and waste during the final installation.

Slightly overlapping the rolls along the length will help insure tight seams during the adhering process.

Cut all rolls to the required length making allowances to run up a wall and / or for overlap on a head seams where required.

Begin the final installation by starting with the roll that is against the truest wall. Square this roll with the room.

Proceed to butt the next roll against the first roll utilizing the factory edge. All interior seams (those not against a wall) may be butted against the preceding roll using the factory edge. Head seams or other joints may be overlapped and double cut using a sharp utility knife as necessary.

Starting with the first roll, fold back half of the roll lengthwise along the wall and apply the adhesive to the substrate using PROFLEX® recommended coverage rates and trowel size. Only apply as much adhesive as you can install within open time period. In order to minimize trapped air LAY, do not drop, the flooring into the adhesive.

Trim the roll to the final length. Leaving a slight gap at the walls roughly the thickness of the material being installed is a good idea and can be hidden with most moldings. Under normal interior conditions, the rubber flooring is very stable and won't grow or shrink, but because it's rubber, it can stretch. Leaving the gap allows for this stretch and will help prevent any bunching at the walls.

Roll the floor immediately with a 100 lb roller to maximize contact of adhesive with the floor working from the middle of the roll to the wall.

Fold back the other half of the first roll and the first half of the second roll and apply adhesive to the substrate under both being careful to not apply too much adhesive at the seams. Too much adhesive will ooze up through the seam.

Lay flooring into wet adhesive and roll. When laying down the second roll, the initial overlap allows you to "work" or "walk" the joint back with your hands thereby insuring a tight seam and effectively eliminating oozing adhesive.

Repeat this folding, spreading, trimming, and rolling procedure for each consecutive roll until complete.

Roll all seams after the entire floor has been rolled. Use masking tape to hold together seams that appear to have gaps. Do not use duct tape, as it will leave a residue on the floor.

Allow the adhesive to cure per the adhesive recommendation prior to excess foot traffic and rolling loads across the flooring. Premature traffic could cause gaps to form in the seams.

**NOTE:** Where flooring installations are going to be exposed to heavy rolling traffic, PROFLEX® urethane adhesives are recommended.

### ***Tile Installation***

Starting in the center of the room. Snap a chalk line lengthwise down the center of the room.

Begin laying tiles lengthwise along the chalk line towards the opposite wall. Tiles may be installed in a bonded or offset method.

When a wall is reached, it is a good idea to refrain from cutting the last tile to fit until all the tiles are installed.

Continue laying the tiles in rows until the room is complete except for the areas along the walls.

Finish the areas along the walls by cutting in tiles to fill the gaps. Leaving a gap at the wall roughly the thickness of the material being installed is recommended.

Tiles can be finish cut slightly larger than needed (~5/32") and then undercut to ensure a professional result.

### ***Interlocking Tiles Installation***

Snap a chalk line on the subfloor 24" from one wall in your room. Snap another chalk line on the subfloor 24" from an adjacent wall. You now have a set of perpendicular lines making an approximate 90-degree angle.

Begin laying the interlocking tiles along one of the chalk lines, snapping the locks together as you go making sure the "arrow" of each tile points in the same direction.

Leave the perimeter of the room open until the field is installed.

Continue locking the tiles together in successive rows until the field area is covered.

Go back and cut in the tiles along the walls in the room. Leaving a gap at the wall roughly the thickness of the material being installed is recommended.

This method should maximize the usage of the tiles and the strength of the interlock mechanism while minimizing the cuts that need to be made.

## **6. AVAILABILITY**

PROFLEX® Products are available nationwide.

To locate PROFLEX® products in your area, please contact:

Phone: 877-577-6353

Website: [www.proflex.us](http://www.proflex.us)

## **7. WARRANTY**

PROFLEX® recycled rubber flooring is guaranteed to be free from manufacturing defects in material and / or workmanship. If the recycled rubber flooring is found to be defective under normal conditions for a period of five years from the date of receipt (to original purchaser), PROFLEX® Products Inc will, at its own discretion, replace the defective material or issue credit not to exceed the selling price of the defective goods. This warranty does not cover installation costs or other related expenses.

This warranty expressly excludes premature wear caused by ice skates in heavy-use areas (penalty boxes, walkways to and from the ice, etc.). Due to the abusive nature of skate blades on any type of flooring.

## **8. MAINTENANCE**

PROFLEX® Sports Flooring can be cleaned much like carpeting. Daily vacuuming is encouraged to keep dust to a minimum. If the flooring cannot be fully cleaned with a vacuum, a damp mopping with a mild soap and water solution will usually be sufficient. It is important not to get the flooring too wet as this may have an adverse effect on the adhesive system employed. Change the soap and water solution often! Use a wet vacuum to remove excess water from the flooring. Be sure to use a clean mop. This will keep your floor smelling fresh and clean.

## 9. TECHNICAL SERVICES

Information is available by calling the Technical Support

Toll Free: 877-577-6353

Fax: 863-937-9624

Technical and safety literature

To acquire technical and safety literature, please visit our website [www.proflex.us](http://www.proflex.us)

## 10. FILING SYSTEM

Division 9