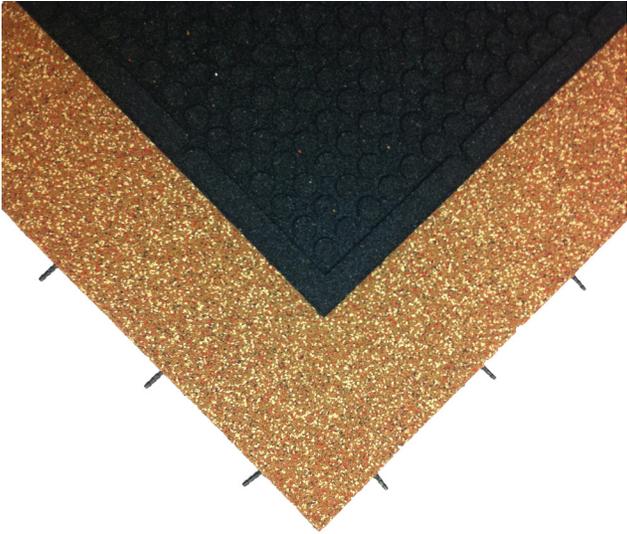


# Installation Instructions for RB Rubber 1" Fit-Tile™ Athletic Flooring



## Upon Delivery of Product

1. **VERIFY** packing slip matches with product and order.
2. **INSPECT** delivered product thoroughly. Report any discrepancies of original order, product defects, etc. No reimbursement/warranty claim will be given for labor on material installed with visual defects. Any defects – size, color, or otherwise – must be reported to the place of purchase prior to installation.
3. **STORE** product and adhesives in clean, dry, environment with temperatures between 70° and 95° F.
4. **READ** product and sub surface floor preparation, instructions, warranty and other disclaimers carefully and completely before beginning any installation.

**DO NOT** use any petroleum based products in conjunction with RB Rubber Fit-Tile™ Athletic Flooring. This includes solvents, adhesives or sealants. All substrates (especially new concrete) must be fully cured for a minimum of 28 days prior to installing rubber tiles.

**INTRODUCTORY NOTE:** This installation guide is intended to provide the necessary information for the proper installation of RB Rubber Fit-Tile™ Athletic Flooring. These instructions are believed to be based on accepted industry standards and are provided for informational use only. RB Rubber Fit-Tile™ Athletic Flooring should be installed by qualified and experienced personnel.

RB RUBBER PRODUCTS, INC. DOES NOT WARRANT ANY INSTALLATION PERFORMED PURSUANT TO THESE INSTRUCTIONS OR OTHERWISE AND SPECIFICALLY DISCLAIMS LIABILITY FOR ANY DIRECT OR INDIRECT PERSONAL INJURY, PROPERTY DAMAGE OR OTHER COSTS OR LOSSES RESULTING FROM INSTALLATION.

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## Recommended Tools

Safety Glasses  
Measuring Tape  
Metal Straight Edge  
Heavy Duty Utility Knife with Extra Blades  
Jig Saw with Fine Tooth Saw Blades  
White Marker or Chalk  
Chalk Line  
2" X 4" Wood Tapping Block  
Deadblow Mallet  
"V" - Notched Trowel  
Rubber Gloves  
Commercial Grade Caulking Gun  
Framing Square



3/16" "V"-notch Trowel;  
Coverage 70 sq. ft. per gal.

## Recommended Adhesive

Chemrex CX-941 Trowel Grade Adhesive  
Chemrex CX-948 Gun Grade Adhesive



## ADHESIVE

Protect unopened containers from heat and direct sunlight. In cool weather, store containers at temperatures of 70° to 95°F for at least 24 hours before using. CX-941 has a shelf life of one year when stored properly. Apply in temperatures above 40°F.

- Wear gloves during application. CX-941 is difficult to remove from skin and clothing. If adhesive gets on skin, immediately wipe it off with a dry cloth.
- Do not apply on frozen surfaces or standing water.
- Avoid adhesive contact with water or alcohol before use and before complete cure.
- Do not use in areas subject to hydrostatic head pressure.
- Do not use on wet, contaminated, or friable substrates.
- It is the user's responsibility to check adhesion of the cured adhesive on typical test areas at the project BEFORE application.

## DO NOT USE

Petroleum Based Products To Clean RB Rubber Fit-Tile™ Athletic Flooring

## RUBBER TILE CLEANING

Indoors: Sweep, sponge mop or vacuum rubber flooring for everyday maintenance.

Outdoors: Use of a water hose, leaf blower or broom is usually sufficient.

Use RB Cleaner/Deodorizer, disinfectant or a mild detergent with a sponge mop and water for more extensive cleaning.



## PREPARATION

### Product

RB Rubber Fit-Tile™ Athletic Flooring should be protected from weather and physical damage prior to and during installation. Tiles and adhesive must be acclimated at a uniform room temperature for a minimum of 48 hours prior to installation. Unpack tiles and allow them to sit in the area to be installed.

### Sub-Surface Requirements

#### Wood

1. New plywood should be acclimatized for a 48-hour period prior to installation of the rubber flooring.
2. CDX exterior smooth one side suggested for new wood substrates.
3. Secure all nails to prevent future protrusion.
4. Any cracks, holes, and rough or uneven areas should be patched with good quality cement based leveling compound.

#### Concrete

1. New concrete must be allowed to thoroughly cure prior to installation (minimum 28 days) and be free from hydrostatic pressure before rubber tiles are installed. If concrete sealants are used, **DO NOT** use one with a petroleum base.
2. Old concrete must be repaired and have joint sealants and fillers installed as necessary. All cracks over 1/8" wide or protrusions over 1/32" should be filled and leveled prior to covering with rubber products. Use patching materials as appropriate. *Mechanical surface profiling is the preferred floor preparation method where warranties are issued (with CX-941 adhesive). Acid etching is not recommended. Mechanically profile the floor to medium-grit sandpaper texture. Remove curing and parting compounds and other surface hardeners and floor coating in accordance with the manufacturer's instructions.*
3. Surface must be thoroughly cleaned of dirt, dust, grease, or other foreign matter by shot blasting or other mechanical means with a commercial degreaser. Any bumps or debris will cause excess wear and/or tile damage.
4. Allow the surface to completely dry before beginning the installation.

#### Vinyl Composition Tile (VCT)

1. Direct glue down over Vinyl Composition Tile (VCT) is acceptable as long as it is tightly adhered to the substrate and all waxes, sealers, floor finishes and other foreign materials have been removed.
2. All cracks over 1/8" wide or protrusions over 1/32" should be filled and leveled prior to covering with rubber products. Use patching materials as appropriate.
3. Surface must be thoroughly cleaned of dirt, dust, grease, or other foreign matter by shot blasting or other mechanical means with a commercial degreaser. Any bumps or debris will cause excess wear and/or tile damage.
4. Allow the surface to completely dry before beginning the installation.

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Fit-Tile Athletic Flooring Installation, Preparation and Rubber Athletic Flooring Cleaning Instructions? For Rubber Fit-Tile Athletic Flooring Pricing and Information please go here

# INSTALLATION

RB Fit-Tiles may be installed over most concrete, wood and vinyl composition tile (VCT) floors. Fit-Tiles should not be installed over carpet as the tiles may shift apart. Fit-Tiles are primarily installed without adhesive, using dowel pins for stability. Where installations are not contained on all sides i.e. wall-to-wall, perimeter tiles should be adhered to the sub surface.

**Determine a starting point for the first row of tiles to best suit the area.** For irregular configurations, the best starting point is often in the center. This will ensure a symmetrical finish for tiles that require trimming along the perimeter. Starting at the center of the area, snap a chalk line along the length of the room in a position that will minimize the likelihood of excessively narrow cuts around the perimeter of the room. Snap a second line across the width of the room in a position that will minimize the likelihood of excessively narrow cuts around the perimeter of the room. The intersection of these lines must be square. (Figure A) Check the intersection of the two lines with a framing square to ensure that it forms an exact 90 degree angle.

For smaller installations, starting lines can be set near the perimeter of the area; however installations in excess of 1000 square feet should have starting lines set closet to the center of the installation. Setting start lines closer to the center of the installation will allow for easier adjustments to maintain straight course lines.

**Installing the first row:** Insert a dowel pin in each of the four dowel holes on one side of the tile. Fully seat each pin by gently tapping with dead blow mallet. **OPTION: For maximum floor stability secure first row of tiles by glueing to subsurface.** Install the first tile at the perpendicular center of the chalk lines. Continue placing the remaining tiles along the horizontal chalk line, aligning the edge of the tile with chalk line making sure the interlocking pins are facing inward along the chalk line. (Figure B) As the tiles are being installed, each tile will need to be fitted as tightly as possible to the adjacent tile using a dead blow mallet and wood tapping block.

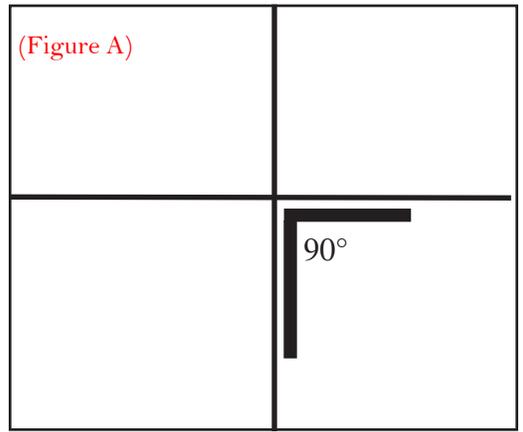
**Installing the second row:** Insert a dowel pin in each of the four dowel holes on one side of the tile and one dowel in the furthest dowel hole on an adjacent side of the tile. (Figure C) Fully seat each pin by gently tapping with dead blow hammer. Start the second row at the intersection of the horizontal and vertical chalk lines. Join the first tile in the second row to the center tile in the first row by engaging the four dowel pins. The remaining tiles in the second row will be secured on two sides. Join the second tile to the corresponding tile in the first row by engaging the four dowels; dowel the second side of the tile by slightly lifting the two tiles to be joined together and engage the single dowel. (Figure D) Ensure that course lines are kept straight and that tiles are installed tight to each other. Continue to assemble tiles in this manner until the row has been completed across the entire course. Continue subsequent rows in a similar manner leaving perimeter cuts for last.

RB Fit Tiles can also be installed in an offset pattern. Simply start the second row of tiles by centering the first tile in the second row over the vertical chalk line instead of at the intersection of the horizontal and vertical lines.

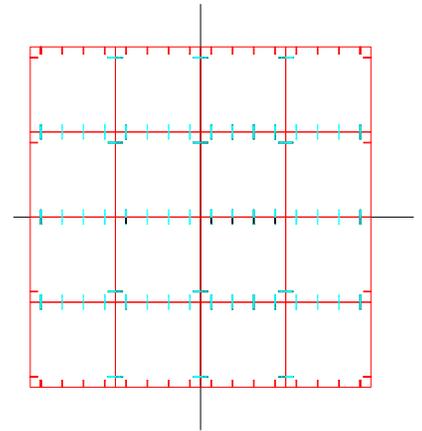
**Initial Cleaning:** Clean tiles with a high cfm vacuum to remove residual dirt and debris left from installation. The tiles are coated with a water-based release agent, a result of the manufacturing process. This will initially cause slight slipperiness. For fast removal, clean with a solution of water and mild household cleaner, then damp mop with water.

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(Figure B)



(Figure C)



(Figure D)



## CUTTING TIPS

Tips on cutting rubber tiles: This procedure works best when using a heavy duty utility knife. Be sure to keep the blades sharp to aid in the cut, and help reduce the possibility of injury due to dull blades.

1. Place tile on a flat, level surface.
2. Mark the tiles you will need to cut with chalk or a chalk line.
3. Put your straight edge on the corresponding marks you have placed on the tiles.
4. Holding the straight edge firmly in place, score the tiles two or three times.
5. Grab the tile close to the score line, lift and bend the tile toward you. The score line will “break open”.
6. Make several more passes with the knife, working down the established cut, until the cut is complete.

A holesaw or sawzall with a fine tooth blade is also an effective tool to make circular cuts around poles, posts, etc.

1. Draw a circle on the tile using chalk for the desired diameter. (If there are several cuts of the same nature, create a pattern out of cardboard.)
2. Begin the cut at the edge of the tile closest to the drawn circle, cut straight line to circle. Cut around drawn pattern. Push out unwanted piece(s).

## Adhesive Curing Times

### Chemrex CX-941 Adhesive

Firm Set:	1-2 Hours
Light Traffic:	8-10 Hours
Normal Traffic:	24 Hours

### Chemrex CX-948 Adhesive

Foot Traffic	48 Hours
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## PRODUCT WARRANTY

1.0 RB Rubber Fit-Tile Athletic Flooring are guaranteed to be free of manufacturing defects in material and workmanship for 10 years (“Warranty Period”). If there are defects in material and workmanship during the Warranty Period, RB Rubber Products, Inc. will replace or repair the tiles, as described herein, at no cost to the owner/end-user. Should defects in material or workmanship be found, it is the owner’s responsibility to contact RB Rubber Products, Inc. through the point of purchase or directly, as described below. This warranty does not cover dissatisfaction or problems or other damage to the materials due to or as a result of:

- a) improper installations and/or improper maintenance;
- b) fading due to sunlight (Outdoor exposure, abrasions, and ultra-violet rays may cause normal change in the surface color and is not considered a defect under this warranty);
- c) shading (color variation) of individual pieces due to natural rubber variations;
- d) use of harsh and acidic chemicals, acidic foods and abrasive chemicals;
- e) water spotting, petroleum adhesives or floor sealants or abuse;
- f) color variation between samples and/or printed illustrations and actual product;
- g) wear or product degradation expected from the use or environment of installation;
- h) chewing, clawing or other animal destruction;
- i) exposure to chlorine, solvents, acids, or other harmful chemicals; or
- j) acts of negligence, misuse, or willful or accidental external influences including, but not limited to, vandalism, riot, or acts of war.

### \*\*\* Proof of Purchase is Required \*\*\*

1.1 The warranty is limited to the repair or replacement of products of RB Rubber Products, Inc. which are shown to be defective. The owner/end-user agrees not to advance any claim for any other measure of damage or loss. RB Rubber Products, Inc. shall not be liable for installation, disassembly, removal, disposal, return shipping, or other similar costs.

1.2 RB Rubber Products, Inc. shall not be liable for any damage, loss or claim whatsoever unless:

1.2.1 The manufacturer is notified in writing within fifteen (15) days of any occurrence which might give rise to a claim;

1.2.2 The owner/end-user has obtained written authorization from RB Rubber Products, Inc. prior to making any repairs or alterations on or through the surface which may affect the integrity of the materials;

1.2.3 RB Rubber Products, Inc. is first permitted to inspect the allegedly defective product or cause of the alleged loss, damage or claim;

1.2.4 The material is installed according to the written instructions provided by RB Rubber Products, Inc. and used only as intended by RB Rubber Products, Inc.

1.3 If, after inspection, RB Rubber Products, Inc. determines that there has been a material defect in the product within the Warranty Period described in Paragraph 1.0, the liability of RB Rubber Products, Inc. and the remedy of the owner/end-user shall be limited, at the sole option of RB Rubber Products, Inc. to either: (a) delivery of repair or replacement material for the impacted area, or (b) credit to be applied towards the purchase of new material. The value of either remedy shall be pro-rated upon the remaining months of unexpired warranty as determined by the manufacturer. The maximum pro-rated value of either remedy shall in no case exceed the original purchase price.

### Limitation of Warranty:

1. There is no warranty of merchantability or fitness for a particular purpose, nor any other warranties which extend beyond the description on the face hereof.
2. RB Rubber Products, Inc. Shall not be liable for any incidental, consequential or other damages.
3. The remedies stated herein are the sole and exclusive remedies for any claim or damages.
4. No agent or representative of RB Rubber Products, Inc. has any express or implied authority to make any representation, promise or guarantee not stated herein.

### Disclaimer:

- Recycled rubber, as with any recycled product, can vary. Tolerances in thickness and width have been made as stringent as is possible, but some variance is to be expected. Rubber’s nature is to expand and contract with changes in temperature and humidity.
- RB Rubber Fit-Tile™ Athletic Flooring are not to be used in any manner or for any purpose not expressly identified by RB Rubber Products, Inc.