

# GREATMATS

## Pacific Rolled Rubber Flooring Installation Instructions

### Introduction

Greatmats Pacific Rolled Rubber is designed specifically for weight room, aerobic, and other high impact applications. In addition, the product is skate and spike resistant and can be installed in skating arenas and golf course applications.

Greatmats Pacific Rolled Rubber is manufactured from recycled truck tire crumb rubber encapsulated in a urethane binder which creates a tough, abrasion and impact resistant composition with excellent slip-resistant, fatigue, and acoustical characteristics.

The highest quality of materials and workmanship are employed in the manufacture of Greatmats Pacific Rolled Rubber and careful inspection is made before shipment. However, a quality installation is the responsibility of the installer. It is the installer's responsibility to verify the accuracy of the order and the materials should be checked for damage, defects, and satisfactory color match during the dry laid installation. An authorized Greatmats representative shall be notified of any nonconformance before final adhesive application proceeds.

Greatmats cannot accept any responsibility for the loss or damage that may result from the use of this information, due to processing or working conditions and/or workmanship outside our control. Users are advised to confirm the suitability of this product by their own tests.

### TOOLS

- 100lb roller
- tape measure
- straight edge
- square
- utility knife w/extra blades
- 1/2" drill motor
- jiffy paddle
- 1/16" trowel
- chalk line
- paint roller w/extension arms

### Early design and estimating of materials needed:

Greatmats has years of experience in the flooring industry and will provide "materials needed" estimates if asked. The company requires professional scale drawings for this service. Estimates that are made from shop drawings will be made to the best of our ability and have an allowance of +5% to ensure against material shortages.

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**High Abuse/High Wear Areas:** Ice Rinks: This product is not warranted against premature deterioration in specific ice rink applications such as penalty boxes, concession stands, changing rooms, entrances and exits to and from the ice rink itself. It is highly recommended that skate guards be worn in such areas to extend the life of the floor. Health Clubs/Gyms: Be careful to use rubberized weight plates and dumbbells in free weight areas. Repeated metal to rubber dropping and pounding will cause premature wear issues. In particularly high abuse areas (pivot points under weight racks), a preventative layer of matting may be required to negate premature wear. Greatmats Pacific Rolled Rubber is for interior installations only and not recommended for environments where the product will be exposed to animal fats, vegetable oils, or petroleum based materials. (i.e.: commercial kitchens).

**Caution:** Greatmats Pacific Rolled Rubber is not pre-coated with a factory finish; therefore, it must not be subject to debris and potential damage caused from heavy construction activities. Cover with plastic and plywood until construction is final.

### **Handling and Storage**

- Greatmats Pacific Rolled Rubber and adhesives must be site conditioned at room temperature for 72 hours prior to, during, and after the installation. Room temperature must be maintained between 65F and 75F (18C and 24C) and relative humidity at 50%.
- In rooms that are exposed to intense or direct sunlight, the product must be protected during the conditioning, installation, and adhesive curing periods, by covering the light source.
- Greatmats Pacific Rolled Rubber is not recommended for exterior use, exposure to excessive UV rays can result in fading and/or color variation, but if that does not bother you, it will still last a long time.

### **General Subfloor Preparations**

- All subfloors must be clean, smooth, dry, and flat within 1/8" in 10 feet. Dust, scale, and loose particles must be removed.
- The surface must be free of solvents, paint, grease, oil, wax, alkali, sealing/curing compounds, and any other foreign material, which could affect adhesive bonding.
- Do not install Pacific Rolled Rubber over expansion joints or in areas where the product will be exposed to animal fats/greases or vegetable oils.

### **Concrete subfloors** {Excessive moisture the #1 cause of adhesive failure}

- Must be checked for moisture content in accordance with ASTM F-1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
- One test should be conducted for every 1000 sq. ft. of flooring and the results not exceed 5 lbs. per 1000 sq. ft. in 24 hours. If the test results exceed the limitations, the installation must not proceed until the problem has been corrected.

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- An adhesion bonding test of the actual materials to be installed should be performed, every 1000 sq. ft., utilizing a 12" x 12" piece of the flooring material. The test piece should remain in place for 72 hours and then evaluated for bond strength to the concrete. Excessive alkali must be removed by mechanical means. (i.e.: bead blasting, sanding, or grinding). Fill all depressions, cracks, and other surface irregularities with a good quality cementitious underlayment filler.

### Wood subfloors

- Must have a minimum 18 inches (47 cm) of cross-ventilated space between the bottom of the joist and ground. Exposed earth crawl spaces should be covered with a polyethylene moisture barrier.
- Wood joists should be on 16" (41 cm) centers with 1" (2.5 cm) boards installed diagonally and covered with 1/2" (12.7 mm) A.P.A. Approved underlayment plywood.
- Nail on 4" (10.2 cm) centers around perimeter and across field.
- Countersink nail heads.
- Fill all depressions, joints, cracks, gouges, and chipped edges with a good quality latex patching compound and sand the entire surface smooth.
- Single Wood and Tongue and Groove subfloors should be covered with 1/2" (12.7 mm) or 3/4" (19 cm) A.P.A. Approved underlayment plywood.
- Greatmats does not warranty installations over "particle board" or "chipboard" type underlayments. Greatmats does not recommend nor warrant rubber flooring installations over existing resilient floors.
- All resilient flooring and adhesives must be removed prior to installing the rubber flooring system.

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

**4. Terrazzo and Ceramic Floors** - The floor surface must be thoroughly sanded to remove all glaze and waxes. Remove all loose tiles and clean the grout lines. Fill all grout lines and other depressions with a cementitious leveling compound.

**5. Steel substrates** - The surface must be thoroughly cleaned by sandblasting, wire brush or other mechanical means to remove all rust and other contaminants. Paint the surface with an anti-corrosive coating (i.e.: Sherwin Williams "Kromik Metal Primer" or equivalent) to prevent rust from recurring.

**6. Concrete floors equipped with a radiant heating system**, care must be taken that the floor surface temperature does not exceed 105 F during normal operation.

## Pacific Rolled Rubber Flooring Installation Instructions continued

### Survivor Sportfloor Installation Dry Laying, Cutting and Fitting:

- Greatmats Pacific Rolled Rubber must be dry laid prior to adhesive installation.
- Always assume that the walls you are butting against are not square or straight. Use a chalk line that is perfectly square in the room for an edge of the flooring to follow.
- Remove the flooring material from the shrink-wrap and unroll it onto the floor. Lay the flooring material on the floor that will utilize your cuts efficiently to minimize cutting and waste. Precut all rolls at the required length, including sufficient material to run up the wall and overlap for seaming at each end. All long seams are factory trimmed, but all head seams must be overlapped and cut by the installer using a sharp utility knife and straight edge.
- Each roll is clearly marked with a label on the bottom side of the roll. Unroll each roll in the same direction following the labels on the bottom side of each roll. Do not start one roll from one side of the room and another adjacent roll from another side of the room.
- Unroll and place the edge of the first roll along the chalk line.
- Unroll the next roll overlapping the long seam of the first roll by no more than one sixteenth inch (1/16"). This procedure will ensure a tight seam and minimize adhesive from squeezing through the seam.
- Repeat this procedure for each consecutive roll necessary to complete the area.
- Roll material is stretched slightly during the manufacturing process; therefore, the installer must allow the material to relax after dry laying for a minimum period of 12 hours (24 hours preferred) to adjust to room temperature prior to final cutting and adhesive application.
- After the entire floor has been dry laid, view the floor under normal, occupied lighting conditions.
- It is the installer's responsibility to inspect the dry laid installation and notify the appropriate authority of any imperfections or irregularities prior to final adhesive installation.

### Adhesive Application and Final cutting:

- After performing the above procedures, make all final cuts around room perimeter, alcoves, offsets, head seams and other obstructions.
- Eagle Grip Urethane Adhesive (available from Greatmats) is approved for installing Pacific Rolled Rubber. Eagle Grip urethane adhesive is a water proof adhesive, and can be used in areas that may have surface water exposure (i.e.; shower and locker rooms, therapeutic, swimming pool, and other similar areas.)

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- After proper mixing, apply Eagle Grip to the subfloor using the following: For porous and non-porous substrates: Eagle Grip: 1/16" x 1/16" x 1/16" U-Notch Trowel – **95 sq. ft. per gallon**. See adhesive label for mixing directions and subfloor porosity conditions. Remove wet adhesive at seams or off surface with a cloth dampened with rubbing alcohol or water.
- Caution: Urethane adhesives must be removed when wet. The removal of dried adhesive can result in flooring product surface damage.
- Fold over the first drop along the wall. (Half the width of the roll.) Spread the adhesive using the proper size notch trowel, as outlined above. Lay the flooring into the adhesive. Do not allow the material to “flop” into place as this may cause air entrapment beneath the flooring. Immediately roll with a 100 lb. 3 section roller to ensure proper adhesive transfer overlapping each pass of the roller by 50% of the previous pass to ensure the floor is properly rolled. Roll the width first and then the length. Roll again 60 minutes later. Use a hand roller in areas which cannot be reached with a large roller.
- Fold over the remaining half of the first roll and half of the second roll. Full spread the adhesive perpendicular or at right angles to the seam to minimize the adhesive from oozing up through the seam. Lay the remaining half of the first roll into the adhesive followed by the first half of the second roll. Work the overlap of the second roll into the seam to ensure a tight fit.
- Immediately roll with a 100 lb. 3 section roller to ensure proper adhesive transfer overlapping each pass of the roller by 50% of the previous pass to ensure the floor is properly rolled. Roll the width first and then the length.
- Roll again 60 minutes later. Immediately remove any wet adhesive that may have oozed at the seam area with a cloth dampened with rubbing alcohol or water.
- Follow the above procedures for the installation of all remaining sheets of flooring material.
- After all sheets have been installed in the area, re-inspect the floor surface, especially at the seams and remove any adhesive on the surface. Inspect the floor **2-1/2** hours after installation and roll a **third** time, if necessary.
- Avoid all traffic for at least 24 hours and allow only limited light traffic for a period of 72 hours after the installation. Do not allow roller traffic or perform any maintenance on the floor until after a minimum of 72 hours. Avoid cold or excessive heat, including direct sunlight during this 72 hour period.

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