



ProTrack Runway Track and Field Rubber Rolls Installation Instructions

NOTE: Prior to any installation, make sure that the subfloor meets IAAF standard or Greatmats subfloor preparation recommendations.

1.1 SURFACE PREPARATION

1.1.1 General Contractor

- a) Make sure the subfloors were smooth and level within a tolerance of 1/8" (3 mm) in a 10' (3.05 m) radius. If there is any surface crack or groove, fill with a good Portland cement that is based on patching or leveling compound, e.g., Mapei or Ardex. In addition, repair any bumps, high spots or peaks before installation. Greatmats recommends a finish with magnesium trowel.
- b) Cure the concrete subfloor for a minimum of twenty-eight (28) days.
- c) Keep the temperature of the concrete subfloor at a minimum of 65oF (18oC) 48 hours before, during and after the installation. Make sure that the moisture vapor emissions of the slab are within the tolerance of the specified adhesive by the anhydrous calcium chloride test in accordance with ASTM F1869.

NOTE: It does not mean the slab needs to remain dry. Whether the slab is dry enough to go on with installation or not is determined by the result of anhydrous calcium chloride tests in accordance with ASTM F1869. However, please do NOT conduct a moisture test unless 1) the HVAC unit has been running for at least 7 days and 2) the temperature conditions are constant in the building and reflective of service conditions.

IF THE MOISTURE VAPOR EMISSIONS IS IN EXCESS OF THE TOLERANCE OF THE SPECIFIED ADHESIVE WHEN TESTED IN ACCORDANCE TO ASTM F1869, GREATMATS DOES NOT WARRANT THE ADHESION OF A GREATMATS PRODUCT TO A SUBFLOOR.

1.1.2 Flooring Contractor/Subcontractor

- a) Inspect the substrate surface before starting any task, and report in writing to the project manager and general contractor in case of any visible defects on the surface, e.g., cracks, bumps, rough areas or variation in levelness.

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- b) Determine whether the moisture conditions of the substrate are within acceptable tolerance, and keep records of all tests.
- c) Keep the concrete substrates dry, clean, smooth and free of paint, oil, curing agents, surface hardeners, solvents, old adhesives, grease, or any other foreign materials. Powdery or scaly concrete surface is not acceptable. **Do NOT use any sweeping compounds.**
- d) Test proper adhesion on any existing concrete surface to verify if it has been contaminated with old adhesive, curing compound, or any other surface contaminant. If adhesion is questionable, Greatmats recommends a light-to-medium shot-blasting and the performance of a bond test.
- e) Keep the rolled material in a safe upright position at all times when storing on jobsite.

1.2 PROTRACK AND PROCOURT INSTALLATION

NOTE: If the radius is not too small, it is possible to bend the material around the radius when installing running/jogging tracks with radius. Please contact the Technical Department for advices and recommendations for this type of installation.

- a) Make sure that all jobsite conditions are met and subfloor preparations are completed before the installation of any rubber flooring. Before installation, please check the product for type, size, thickness, color, visual imperfections or color variations and inform Greatmats of any apparent defect. NO claim will be accepted for the above **AFTER** the installation of the material.
- b) Once all steps above have been completed, proceed to square the room and make the first chalk line parallel to the length of the room. Unroll the material in the same direction and follow the numbered roll sequence. Stagger the end seams on the floor and overlap them for approximately 6" (15 cm) while overlapping the long seams by approximately 3/16" (0.5 cm).
- c) Once unrolled, allow the sport flooring to relax overnight.
- d) **It is NOT necessary to trim the long seams, unless damaged or specified by project.**
- e) Use a good, straight edge to trim the first edge of the **end (head) seams** at least 3" (7.6 cm). Then use the straight edge again to cut the second edge, **leaving 3/16" (0.5 cm)** overlap to make a tight compression seam.
- f) Before adhesion, lay all materials on ground for positioning.

1.3 TROWEL SIZE

Our recommended trowel size is 1/8" x 1/8" x 1/8" (3.2 mm x 3.2 mm x 3.2 mm) 'V' notch trowel.

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1.4 Adhesive Specifications

Use Greatmats PU307AB or MAPEI G19, G21 adhesives to install Greatmats sport flooring products.

1.5 Adhesive Application

- a) Choose a suitable location as mixing station, which should be away from the installation area, and protected with a 6' x 6' scrap piece of material, such as Kraft paper or other suitable product.
- b) The mixing proportions are ready to use. Pour the small container of part A in the large pail of part B and stir thoroughly with a **variable speed** mixer (6 amps minimum). **Please use the complete contents of BOTH parts of the adhesive at the same time.** Inappropriate mixing may result in poor bond. Mix the two parts to a creamy texture within 2 minutes when using a variable speed mixer. Avoid over-mixing, or it will reduce pot life and bond performance by causing the catalyst to set up too fast and the adhesive to entrap air too much. **Apply the adhesive immediately after mixing, otherwise it will thicken and become much harder to trowel.**
- c) **Transfer a minimum of 90% of adhesive** onto the material backing when using the recommended notched trowel.
- d) Roll back the flooring from the end (head) to half the roll length. **Do NOT “flop” back. Always roll.**
- e) Start the first row by applying adhesive evenly up to 2” (5 cm) from both edges of long seams and up to 12” (30 cm) from the end seam. Adhere the head seams the last.
- f) Check frequently for a good adhesive transfer onto the material backing (90% transfer minimum) while applying the material into the **wet adhesive**
- g) Adhere the second row by applying adhesive underneath the long seam to be complete (the 2”, or 5 cm, of the previous row) and up to 2” (5 cm) from the next row.
- h) **Do not stop installation at a seam edge**, but in the center of shot (6”, or 15 cm, minimum from edge) at the end of the day. And use a chalk line to mark the last adhesive line. When continuing on the next day, be sure to get adhesive all the way back to the adhesive line from the previous day.
- i) Adjust the end seams to make sure they perfectly close; do not apply too much pressure, or there may be peaking of the pressured seams.
- j) Use a 2” (5 cm) masking tape to close gaps in the seams and keep the tile in place while the adhesive sets. NEVER use duct tape. **The adhesive of duct tape will chemically react with the flooring surface and leave a permanent residue.**
- k) Grey concrete utility bricks (2” x 4” x 8”) are the only suitable weights to apply over each seam. Cover the seams completely for a minimal of 24 hours to prevent peaking.

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It is also necessary to brick the perimeter and all edges (e.g., doors, walls, columns, sleeves, etc.).

Suggested Brick Quantities for Weighting Seams

	Prefabricated rubber track and court
Long Seams	2 – 3
Head Seams	4 – 6

NOTE: These quantities are only suggestions. Adjust with the specifications of site and environmental conditions to keep the material flat in the adhesive effectively for the required 24-hour period.

WARNING: NEVER use pieces of wood, boxes of other materials, sand bags, cinder blocks or any other substitute to weight the seams. GREY CONCRETE UTILITY BRICKS, 2" X 4' X 8", ARE THE ONLY SUITABLE WEIGHTS.

NOTE: Lack of weight on the seams while the adhesive is setting can cause peaking.

REMINDER: Check carefully and immediately wipe off any excess adhesive oozing from the seams and/or any spots of adhesive on the surface with denatured alcohol BEFORE weighting the seams. Once the adhesive is dried, it is EXTREMELY difficult to remove.

Do not use anything other than denatured alcohol.

WARNING: SHOULD YOU HAVE ANY CONCERNS OR DOUBT REGARDING SUBFLOOR CONDITIONS OR INSTALLATION PROCEDURES, PLEASE CALL OUR TECHNICAL DEPARTMENT.

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