

Pump Installation

Upon Product Delivery

1. Verify packing slip matches with product and order and inspect delivered product thoroughly.
2. For tiles, do not stack more than 2 pallets.
3. For rolls, do not stack rolls higher than 4.
4. Store product and adhesive in clean, dry environment with temperatures between 65° and 95°F.
5. The material must be acclimated to the environment where it will be laid for at least 48 hours before installation.
6. Read product and subfloor preparation and instructions carefully and completely before beginning any installations.

Preparation

Product

Pump rubber tiles and rolls should be protected from excessive moisture and other damage prior to application, during application and while curing.

Subfloor Surface

The **subfloor general conditions** should be as follows:

- Moisture vapor emission must not exceed the maximum allowable tolerance of the adhesive being used when tested in accordance with ASTM F1869, anhydrous calcium chloride test
- Must be free of wax, oil, grease, sealer, curing compound, paint, varnish, old adhesive, or other contaminants. All contaminants must be removed by mechanical abatement since chemical abatement will lead to additional contaminants.
- Be reasonably flat and free of holes or variances of more than 1/8" in 10 feet
- Must be properly prepared to be a satisfactory bonding surface for adhesion of subfloor to Pump
- Must be firm, structurally sound, dry, clean, smooth, and level

Concrete Subfloors

The **concrete subfloor conditions** should follow the general conditions above, as well as:

- Must have a permanent effective moisture barrier membrane installed that is in accordance with ASTM E1745 and E1643
- Must be dry, sufficiently porous, and clean
- Must not be loose, sandy, and scaly or have a white powdery surface

Wood Subfloors

The **wood subfloor conditions** should follow the general conditions above, as well as:

- Must be solid and have well ventilated air space below the wood subfloor
- Must not be oiled plywood surface
- Plywood spacing should not exceed 1/16"

Installation Procedures

Important Notes

- Follow this procedure row by row until all the tiles have been adhesive down. No one should be admitted to the room before 48 hours after laying the tiles.
- Remove immediately any excess adhesive or varnish with a cloth dipped in a solvent cleaner. No one should walk on the floor for 48 hours. It is advisable to make court markings 48 hours after gluing, right before cleaning.
- Make sport court markings with polyurethane paint

Instructions for Installing Tiles

1. Make sure that the room temperature does not go below 65°F.
2. After looking over the work area, line up the tiles.
3. Lay enough tiles out dry to work on for a maximum of 2 days by following the order instructions given by arrows on the back of the tiles (where given)
4. Begin on the side opposite the room entrance; fold the first row of tiles over onto the row adjacent to them.
5. Using the serrated trowel, spread the adhesive on an area equal to 1 or 2 tiles at a time, being careful not to waste it or use too much, which will be time-consuming to remove
6. Replace the tiles carefully in their original position to avoid getting air bubbles between the tiles and the floor
7. Massage the tiles using the pressing tool to get them to stick well to the floor and remove any air bubbles that may have formed
8. Make sure that the tiles are lined up perfectly and that the seams are tight. Using a cloth dipped in a solvent cleaner, remove any extra adhesive that may have oozed, or any drops of adhesive on the tile.

Instructions for Installing Rolls

1. Unroll Pump rolls in the same direction and follow numbered roll sequence (End seams should be staggered)
2. Allow Pump to relax overnight once unrolled
3. Trim edges of seam a minimum of once inch to make perfect long seams
4. End seams should be overlapped 6" and must be adjusted without applying too much pressure to prevent peaking
5. Dry lay and cut all materials to be installed a day prior to adhesion
6. Roll back half the roll length
7. Apply adhesive evenly up to 2" from both edges of long seams and stop 6" before final head seam, which will be glued last
8. Roll back the other half of the roll and apply adhesive to other half
9. Finish entire row before bonding another row
10. When starting a second row, apply adhesive underneath 2" from first row and next adjacent row
11. At the end of the day, stop installation in the center of roll and not at seam.
12. Use lightweight roller (100lbs) to get rid of entrapped air, first rolling across width then along length
13. Remove any additional adhesive from seams with denatured alcohol while the adhesive is wet
14. Always apply masking tape to head seams and take off only after seams have fully cured
15. Apply grey concrete utility bricks (2" by 4" by 8") over every seam for a minimum of 24 hours.