

MONDO SUPER X INSTALLATION PROCEDURE

(Mondo Super X 12 mm is recommended for use on diving platforms)

1. Surface Preparation

1.1 General Contractor

- a. The General Contractor must supply a smooth steel troweled concrete finish. The slab must have a maximum tolerance level of 1/8" in a 10' (3mm-3m) radius.
- b. The concrete or asphalt sub-floor must be cured for a minimum of thirty (30) Days.
- c. The concrete floor temperature must be maintained at a minimum of 60 degrees F (18 degrees C) 24 hours prior, during, and after the installation. The Contractor must be certain that the moisture vapor emission of the slab does not exceed 3 lbs. per 1000 sq. ft. (1.36 kg per 93 meters squared) in 24 hours using the calcium chloride test.

NOTE: A MOISTURE TEST RESULT WILL CONFIRM WHETHER THE SLAB IS DRY ENOUGH TO PROCEED WITH THE INSTALLATION. IT DOES NOT MEAN THAT THE SLAB WILL ALWAYS REMAIN DRY.

1.2 Flooring Installer

- a. Before proceeding with any work, the sub-floor surface must be inspected and any visible defects on the surface such as cracks, bumps, rough areas or variations in levels must be reported in writing to the Project Manager and the General Contractor.
- b. Concrete sub-floors must be dry, clean, and free of paint, oil, curing agents, surface hardeners, solvents, old adhesives, grease and other foreign materials. Concrete surfaces that are powdery or scaly are not acceptable.
- c. Proper adhesion should be verified on any existing concrete surface which may be contaminated with a sealer, curing compound, old adhesive, etc. If adhesion is questionable, Mondo recommends blast tracking.

2. Indoor Installation

NOTE: For installations of running or jogging tracks with a radius, please contact the Mondo America Technical Department.

- a. Do not install the rubber flooring until all job site conditions and sub-floor preparations are met and completed. Before starting any installation, verify the product for type, size, thickness, color, visual imperfections or color variations and notify the local Mondo distributor of any apparent defects. **No claims will be accepted after the material has been installed.**
- b. Once the above steps have been followed and/or completed, proceed to square the room and make the first chalk line parallel to the length of the room. Unroll material in the same direction and follow the numbered sequence. End seams should be staggered on the floor and overlapped approximately 6" (15 cm) and long seams by approximately 3/16" (0.5 cm).

- c. Once unrolled, allow Mondo surface to relax overnight.
- d. End seams must NOT be trimmed during the lay. End seam preparation will be done 12 hours after adhesion of rolls.
- e. Dry lay all material prior to adhesion.

Choosing the Right Trowel

Before choosing the size of the trowel needed, identification of the flooring is important. In fact, Super X come with two different backings: a smooth backing and a waffled backing.

<u>PRODUCT</u>	<u>TROWEL SIZE</u>
Smooth Backing	1/16" x 1/16" x 1/16" "U" notched (1.5 mm x 1.5 mm x 1.5 mm)
Waffle Backing	1/8" x 1/8" x 1/8" "V" notched (3 mm x 3 mm x 3 mm)

Adhesive Specifications

- a. Mondo's PU 100 is the recommended adhesive to install Super X. This adhesive has been developed specifically for Mondo's Sport surfaces. Any substitution could lead to an eventual installation failure and void any warranty.
- b. The PU 100 is a high performance two part polyurethane adhesive for indoor or outdoor installations of Mondo's Sport surfaces over asphalt, concrete, wood, metal and certain resilient floor coverings. PU100 has resistance to water and heat (up to 150 degrees Celsius or 300 degrees Fahrenheit.) It also provides outstanding adhesion and elasticity at low temperatures after installation.
- c. Do not use at temperatures below 18 degrees Celsius (65 degrees Fahrenheit) or above 40 degrees Celsius (105 degrees Fahrenheit).
- d. Do not use on concrete surfaces having more than 3 lbs. per 1000 square feet (1.36 kg per 93 meters square) in 24 hours of moisture emission using the calcium chloride test. **Mondo America, Inc. will NOT guarantee the adhesion of Mondo Super X to a floor with a moisture vapor emission more than 3 lbs. per 1000 square feet (1.36 kg per 93 meters squared) in 24 hours.**

Adhesive Application

- a. Protect the mixing area with plastic Kraft paper or other suitable product.
- b. *The proportions for the mix are ready to use. Slowly pour the small container of part B in the large part of part A and stir thoroughly with a variable speed mixer. Improper mixing may result in a poor bond. Using a variable speed mixer should take no longer than 2 minutes to mix the two parts to a creamy texture. Over mixing will cause the catalyst to set up too fast, reducing the pot life.*
- c. Using the recommended notched trowel ensure a proper transfer of adhesive to cover at least 90% of the backing of the flooring.
- d. Roll back flooring starting from end seam to middle of the piece. Do not "flop" back – always roll.

- e. When starting the first row, apply the adhesive evenly up to 2" (5 cm) from both edges and up to 12" (30 cm) from the end of the seam.
- f. *When unrolling material in wet adhesive, always check for a good transfer of adhesive. Weights must be applied over every seam. We recommend concrete bricks 2" x 4" x 8" (5 cm x 10 cm x 20 cm) to cover completely all the seams for a minimal period of at least 12 hours. Weighting seams with bricks will prevent them from peaking; sometimes it may be necessary to double or even triple stack the bricks depending on the thickness and tension in the material.*
- g. An entire row should be glued to the floor before starting another row.
- h. When starting the second row, apply adhesive underneath the log seam to be completed and the 2" (5 cm) of the previous row, and up to 2" (5 cm) from the next row.
- i. When unrolling the second row, make sure it is overlapped 3/16" (0.5 cm) and forced down to ensure a tight and closed seam.
- j. **NOTE: The only reason for peaking is a lack of weight on the seams while the adhesive is setting.**
- k. Reminder: Before weighting the seams, use extreme care to check and immediately wipe off any excess adhesive that may be oozing through the seams and / or any spots of adhesive on the surface, using denatured alcohol. **It is very difficult to remove adhesive after it has dried.**
- l. **IMPORTANT:** Denatured alcohol should be used sparingly. Excessive use will swell or stain the flooring. Do not soak the surface of the rubber or allow the dampened cloth to remain on rubber surface.
- m. A 2" (5 cm) masking tape will help to close gaps in the seams and keep it in place while the adhesive sets. Duct tape adhesive will chemically react with the flooring surface.
- n. Use a lightweight roller 100 lbs. (45 kg) or less to eliminate entrapped air, which could remain between the sub-floor and the sport surface. Always roll on a 45 degree angle, this operation is vital!
- o. After adhesive has set for a minimum period of 12 hours, end seams can be trimmed. Cut the first end with a straight edge and use that side as a guide for the second end. Although the side seams are slightly beveled in, end seams are not and must also be overlapped 3/16" (0.5 cm).
- p. End seams must be adjusted without applying too much pressure while ensuring that they are perfectly closed. Pressured seams will cause peaking.
- q. Always double or triple stack bricks on top of end seams.
- r. **NOTE: The only cause for peaking is a lack of weight on the seams while the adhesive is setting.**
- s. Room perimeters should also be weighted.

3. OUTDOOR INSTALLATION

Contact Mondo America's technical department for any outdoor installation.

In the United States, please call 1-800-361-3747.

In Canada, please call 1-800-663-8138.