

8 SPORT TILES (RAMFLEX, SPORT IMPACT, SPECKLEFLEX)

NOTE: Sport Impact sport flooring goods cannot be installed over the Mondo Everlay system.

NOTE: Prior to the installation, make sure that the substrate meets Mondo's [Subfloor Preparation](#) recommendations.

8.1 SURFACE PREPARATION

8.1.1 GENERAL CONTRACTOR

- a) The general contractor **must** provide a finished concrete subfloor ready to receive Mondo resilient rubber flooring within the recommended specifications contained herein. The slab must have a maximum tolerance level of 1/8" in a 10' (3 mm in a 3.05 m) radius. **Mondo does not recognize the "F" numbers: FF = floor flatness, FL = floor levelness.**
- b) The concrete subfloor must be cured for a minimum of twenty-eight (28) days (refer to Section 1 [Subfloor Preparation](#)).
- c) The concrete subfloor temperature must be maintained at a minimum of 65°F (18°C) 48 hours prior, during and 48 hours after the installation. The contractor must make certain that the moisture vapor emissions of the slab do not exceed the tolerance of the specified adhesive, using the anhydrous calcium chloride test in accordance with ASTM F1869.

NOTE: Anhydrous calcium chloride tests, in accordance with ASTM F1869, will confirm whether the slab is dry enough to proceed with the installation. It does not mean the slab will always remain dry. Never attempt a moisture test until the HVAC unit has been operational for at least 7 days and the temperature conditions are constant in the building and reflective of in service conditions.

MONDO WILL NOT GUARANTEE THE ADHESION OF A MONDO PRODUCT TO A SUBFLOOR WITH MOISTURE VAPOR EMISSIONS EXCEEDING THE TOLERANCE OF THE SPECIFIED ADHESIVE, WHEN TESTED IN ACCORDANCE TO ASTM F1869.

8.1.2 FLOORING CONTRACTOR/SUBCONTRACTOR

- a) Before proceeding with any work, the substrate surface must be inspected and any visible defects on the surface such as cracks, bumps, rough areas or variations in levelness must be reported in writing to the project manager and the general contractor.
- b) The **flooring contractor/subcontractor** should verify that the moisture conditions of the substrate are within acceptable tolerances (refer to Section 1 [Subfloor Preparation](#)). The flooring contractor should keep records of all tests.
- c) Concrete substrates must be dry, clean, smooth 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. **Sweeping compounds must not be used.**
- d) Proper adhesion should be verified on any existing concrete surface that may have been contaminated with a curing compound, old adhesive or any other type of surface contaminant. If adhesion is questionable, Mondo recommends a light to medium shot-blasting (ICRI CSP #3 to #5 profile) and performance of a bond test (refer to [Section 1.2.1.6](#)).

- e) Storage of tile materials on site should be in a location where the corners will be protected.

8.2 INSTALLATION

- a) Do not install the rubber flooring until all jobsite conditions and subfloor preparations are met and completed. Before starting any installation, verify the product for type, size, thickness, color, visual imperfections or color variations and notify Mondo's Technical Department of all 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 down the center of the room parallel to the length of the room.

Note: If a multiple color layout is to be made, double-checking measurements will avoid problems.

- c) Dry fit complicated cuts prior to adhesion. Position the tiles in an Ashlar pattern (staggered corners) or point to point (corner to corner). In general, it is easier to install the tiles in an Ashlar pattern. Please refer to the architectural plans for the correct layout. **(Mondo recommends the Ashlar pattern)**. Line up the first row of Mondo tiles with a chalk line. Lay a second row again, aligning the profiles if applicable. The tiles should be installed in the same direction (refer to the directional arrow in the reverse of the tile) unless otherwise specified on the architectural drawings (see [Typical Layout Diagram](#) provided on page 40).
- d) Dry lay and cut all material to be installed on a given day prior to any adhesion.

8.3 TROWEL SIZE

The only recommended trowel size is 1/16" x 1/16" x 3/32" (1.6 mm x 1.6 mm x 2.4 mm) 'U' notch trowel.

8.4 ADHESIVE SPECIFICATION

Mondo sport flooring products can be installed using either Mondo polyurethane or epoxy adhesives.

NOTE: Mondo PU 100 is the ONLY suitable adhesive for installing over Everlay.

NOTE: Mondo EP 55 is an epoxy based adhesive that cures to a very hard state. It may not be suitable for use with sport applications that anticipate heavy impact loads (i.e. weight rooms). If in doubt please contact Mondo's Technical Department for recommendations.

8.5 ADHESIVE APPLICATION

- a) Create a mixing station by selecting a location, away from the installation area, and protecting it with a 6' x 6' scrap piece of material, Kraft paper or other suitable product.
- b) The proportions for the mix are ready to use. Pour the small container of part B in the large pail of part A and stir thoroughly with a **variable speed** mixer (6 amps minimum). **The complete contents of both parts of the adhesive must be used at once.** Improper mixing may result in a poor bond. Using a variable speed mixer should not take longer than 2 minutes to mix the two parts to a creamy texture. Overmixing will cause the catalyst to set up

too fast, thus reducing pot life and entrapping air which may reduce bond performance. **The adhesive has to be applied immediately after mixing, otherwise it will thicken and be much harder to trowel.**

- c) When using the recommended notched trowel, there should be **at least 90% of adhesive transfer** onto the material backing.
- d) Apply the adhesive one or two rows at the time, or as much as you can install and still respect the working time of the adhesive.
- e) Carefully lay the tiles into the wet adhesive.
- f) When applying the material into the **wet adhesive**, frequently check for a good adhesive transfer onto the material backing (90% transfer minimum).
- g) End seams must be perfectly closed by adjusting them without applying too much pressure. Pressured seams will cause peaking
- h) 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. **Duct tape adhesive will chemically react with the flooring surface and leave a permanent residue.**
- i) Use lightweight roller 100 lbs (45 kg) to eliminate entrapped air, which could remain between the subfloor and the sport surface.
- j) **Suitable weight must be applied over every seam.** Grey concrete utility bricks (2" x 4" x 8") are the only suitable weights. Completely cover the seams for a minimal period of 24 hours. Weighting the seams with bricks will prevent peaking.
- k) It is also necessary to brick the perimeter and all edges (i.e. doors, walls, columns, sleeves, etc.).

Suggested Brick Quantities for Weighing Seams

	Sport Impact	Ramflex	Speckleflex
Seam	5	2	2

NOTE: The above listed quantities are merely suggestions. Specific site and environmental conditions could necessitate additional bricks on the seams. Enough bricks should be used to effectively keep the material flat in the adhesive 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 result in peaking.

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 EXTREMELY difficult to remove adhesive when it has dried.

Do not use anything other than denatured alcohol.

DISCLAIMER: Refer to page 73 of this document.



WARNING: SHOULD YOU HAVE ANY CONCERNS OR BE UNSURE ABOUT SUBFLOOR CONDITIONS OR INSTALLATION PROCEDURES, PLEASE CALL OUR TECHNICAL DEPARTMENT.

**Mondo America Inc., Technical Department, 2655 Francis-Hughes, Laval, QC H7L 3S8
Telephone: (450) 967-5800 • Facsimile: (450) 663-7927 • USA: 800 361-3747 • Canada: 800 663-8138
Email: technical@mondousa.com**

TYPICAL LAYOUT OF MONDO TILES

1st Tile	Half of 10th Tile	19th Tile	Half of 28th Tile	37th Tile	Half of 46th Tile	55th Tile	Half of 64th Tile	73rd Tile
	11th Tile		29th Tile		47th Tile		65th Tile	
2nd Tile	20th Tile	30th Tile	38th Tile	48th Tile	56th Tile	66th Tile	74th Tile	
	12th Tile		39th Tile		57th Tile		75th Tile	
3rd Tile	21st Tile	31st Tile	40th Tile	49th Tile	58th Tile	67th Tile	76th Tile	
	13th Tile		41st Tile		59th Tile		77th Tile	
4th Tile	22nd Tile	32nd Tile	42nd Tile	50th Tile	60th Tile	68th Tile	78th Tile	
	14th Tile		43rd Tile		61st Tile		79th Tile	
5th Tile	23rd Tile	33rd Tile	44th Tile	51st Tile	62nd Tile	69th Tile	80th Tile	
	15th Tile		45th Tile		63rd Tile		81st Tile	
6th Tile	24th Tile	34th Tile	46th Tile	52nd Tile	70th Tile	71st Tile	82nd Tile	
	16th Tile		47th Tile		72nd Tile		83rd Tile	
7th Tile	25th Tile	35th Tile	48th Tile	53rd Tile	73rd Tile	74th Tile	84th Tile	
	17th Tile		49th Tile		75th Tile		85th Tile	
8th Tile	26th Tile	36th Tile	50th Tile	54th Tile	76th Tile	77th Tile	86th Tile	
	18th Tile		51st Tile		78th Tile		87th Tile	
9th Tile	27th Tile	37th Tile	52nd Tile	55th Tile	79th Tile	80th Tile	88th Tile	
	Rest of 10th Tile		Rest of 28th Tile		Rest of 46th Tile		Rest of 64th Tile	89th Tile