



## 8 ATHLETIC SURFACING (INTERLOCKING RUBBER TILES)

DISCLAIMER: Refer to page 4 of this document.

### 8.1 SURFACE PREPARATION

#### 8.1.1 GENERAL CONTRACTOR

- a) **All subfloors must be properly prepared to provide an adequate surface to install the interlocking tiles. Refer to Mondo's current Subfloor Preparation Guide for all requirements.**
- b) The General Contractor must provide a finished concrete subfloor ready to receive Mondo's resilient rubber flooring. Subfloors must be smooth and level within a tolerance of 1/8" (3mm) in a 10' (3.05m) radius. Mondo does not recognize the "F" numbers: FF = floor flatness, FL = floor levelness. Minor surface cracks or grooves must be filled with a good quality Portland cement based patching or leveling compound such as Mapei or Ardex. High spots, bumps and peaks must be repaired prior to installation. Mondo recommends a magnesium trowel finish. **Please note that while a smooth surface is desired, a shiny, slick, non-porous or over-porous slab is not acceptable and will require additional preparation prior to installing Mondo flooring products. Once the subfloor preparation is complete, you should have a CSP (Concrete Surface Profile) of about 1.**
- c) **New concrete subfloors must be allowed to cure a minimum of 28 days prior to installing Mondo flooring.** However, drying time is typically 4 weeks for every 1" thickness of slab (i.e. a 6" slab will take approximately 24 weeks to adequately dry). Concrete substrates must be fully cured and free of any hydrostatic and/or moisture problems.
- d) Flooring installation shall not commence until the building is enclosed and all other trades have completed their work.
- e) Maintain a stable room and subfloor temperature prior to installation (before performing moisture tests), during the installation and min. 48 hours after the installation. Recommended temperature range of 65°F to 86°F (18°C to 30°C). General recommended ambient humidity control level is between 35 to 55%.

#### 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) Prior to beginning any installation of Mondo products it is recommended that the entire room be vacuumed thoroughly to remove dust, loose dirt and debris.
- c) Store rubber tiles on a clean, dry, flat surface, carefully protecting corners and edges from all possible damage, including from exposure to harmful weather conditions.

### 8.2 INSTALLING INTERLOCKING TILES



**ATHLETIC SURFACING (INTERLOCKING RUBBER TILES)**

- a) Do not install interlocking tiles 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 the Mondo Technical Department of all apparent defects. **No claims will be accepted after the material has been installed.**
- b) Allow all materials to acclimate to site temperature prior to their use and installation.
- c) Once the above steps have been 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.**

- d) Dry fit complicated cuts, such as all perimeters, doorways, etc. that are contained within the space. **Mondo recommends positioning tiles in an Ashlar pattern (staggered corners) for best results.** In general, it is easier to install the tiles in this pattern and it produces best results; however, please refer to architectural plans for the required layout. 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 arrows found on the tile's backing), unless otherwise specified on the architectural drawings (see [Typical Layout Diagram](#) provided on page 3).

**Note: Tiles may need to be cut to fit specific dimensions. Any knife used to cut interlocking tiles must be sharp. Lay tiles on a piece of wood to protect subfloor and use a straightedge to keep cut lines straight. Score through top wear layer first, and then continue scoring until material has completely separated. For rounded or angled edges, or to cut around posts, use a template made of cardboard.**

- e) Allow tiles to relax overnight (12 hours minimum or longer if needed). Colder facility temperatures may necessitate longer relaxation time; adjust as needed.

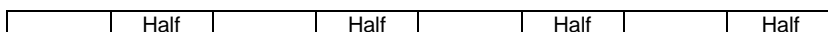
**8.2.1 ADHESION**

Interlocking rubber tiles are intended for loose laid applications; therefore, no adhesive is required for their installation.

**8.2.2 FITTING THE TILES**

- a) After dimensioning the installation area, engage the interlocking connection by using a hand roller or a piece of wood protected by a thick cloth. NOTE: Common construction gloves are recommended for safety purposes in completing the interlocking installation.
- b) When butting the seams together, do not apply excessive force or pressure to fit joints otherwise peaking could occur. Gently butting the seams together is sufficient.
- c) Ensure all tiles are properly fitted together, safely interlocked and flat. Manually work seams into place for a secure fit without peaking.
- d) Following installation, initial maintenance can be performed as directed. See current printed maintenance manual.

**8.2.3 TYPICAL LAYOUT OF INTERLOCKING TILES**





**ATHLETIC SURFACING (INTERLOCKING RUBBER TILES)**

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



## **DISCLAIMER**

These instructions conform to commonly accepted installation techniques in use with Mondo floor coverings. However, Mondo will not accept any liability whatsoever for any incorrect implementation of these instructions nor for any failure of equipment, paint & primers, leveling compounds, adhesives or other products not manufactured by Mondo that may be referenced in these instructions nor for any adverse handling, climatic or environmental conditions that may affect such installation.

The above installation recommendations are provided for general guidance only. Mondo assumes no responsibility neither for actual work performed nor for loss or damage that may result from the use of this information due to variations of processing or working conditions outside our control. Users are advised to confirm suitability of products by their own tests.

Warranty only extends to quality and performance of rubber flooring.

**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](mailto:technical@mondousa.com)**