

2 COMMERCIAL SHEET GOODS

Note: Prior to the installation, make sure that the subfloor meets Mondo's [Subfloor Preparation](#) recommendation as set in [Section 1](#).

2.1 SURFACE PREPARATION

2.1.1 GENERAL CONTRACTOR

- a) The general contractor must provide a finished concrete subfloor ready to receive Mondo's 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-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 as described in 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.

2.1.2 FLOORING CONTRACTOR/SUBCONTRACTOR

- a) Before proceeding with any work, the subfloor surface must be inspected so that any visible defects such as cracks, bumps, rough areas or variations in levelness can be reported in writing to the project manager and the general contractor.
- b) The flooring **contractor/subcontractor** should verify that the moisture condition of the subfloor is within acceptable tolerances (refer to Section 1 [Subfloor Preparation](#)). The flooring contractor should keep records of all tests for a minimum of three (3) years.
- c) Concrete subfloors must be dry, clean, smooth and free of paint, wax, 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 the performance of a bond test (refer to [Section 1.2.1.6](#)).
- e) Storage of rolled material on site should be at all times in a safe upright position.

2.2 INSTALLING COMMERCIAL SHEET GOODS

- a) Do not install the rubber flooring until all jobsite conditions and subfloor preparation 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 any apparent defects. **No claims will be accepted after the material has been cut or installed.**
- b) Allow the material to acclimate to site temperature prior to dry laying
- c) 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.
- d) Unroll material **in the same direction** and follow the numbered sequence (Review [Typical Layout Diagram](#) on page 17). Allow material to relax overnight (12 hours or longer if needed).
- e) Dry lay and “cut to fit” all material prior to adhesion. This includes all perimeters, doorways, etc. that are contained within the space.
- f) End seams should be staggered on the floor and overlapped approximately 3” (7.6 cm).

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

- g) To make perfect long seams, the first edge of the seam must be trimmed at least $\frac{3}{4}$ ” (1.75 cm) using a good straight edge. This has to be done before the application of the adhesive.
- h) The uncut edge should overlap the trimmed one by $\frac{3}{4}$ ” to allow for recessed scribing if heat welding is specified.
- i) Using an underscriber and a utility knife with a hook blade, trace cut the overlapped sheet.
- j) For end seams, use the same procedure as for the long seams, but trim off approximately 1.5” (3.75 cm) from both ends.
- k) End seams must be adjusted without applying pressure while ensuring that they are perfectly closed. Pressured seams will cause peaking.
- l) **If heat welding is not specified, all seams must be straightedged and butted or double-cut.**
- m) **$\frac{1}{8}$ ” Masonite or $\frac{1}{4}$ ” (6.4 mm) plywood are absolutely essential for proper flooring protection during the installation. Walking on a freshly laid floor before proper adhesive curing time will cause displacement of adhesive which may lead to indentation and/or bubbling.**
- n) Apply the recommended adhesive ensuring that recommended flashing and open times are respected.
- o) Carefully lay the material into the adhesive.
- p) Using a piece of a 2” x 4” wood (approx. 2 to 3 ft in length) protected by a thick cloth, towel or carpet, remove entrapped air by pressing along the floor covering material from the center of the roll outwards.

- q) You can use 2" (5 cm) masking tape to help close small gaps in the seams and keep the material in place while the adhesive sets. **Never use duct tape. Duct tape adhesive will chemically react with the flooring surface and leave permanent residue.**
- r) If necessary, apply small oblong sandbags or similar weights over the seams or areas that need assistance to remain in contact with the adhesive while it sets. **Do not remove weights until final setting (24 hours).**
- s) Immediately remove any dropped or oozed adhesive with a damp cloth. Mondo **only** recommends water for removal of acrylic adhesives and denatured alcohol for polyurethanes and epoxies. **Do not use anything other than denatured alcohol for two part adhesives.**
- t) **No foot traffic shall be allowed on the material for a period of 24 hours after the installation and for a longer period of time if the temperature is below 72°F (22°C). Prohibit heavy traffic or rolling loads for a period of 72 hours. 1/8" Masonite or 1/4" plywood can be used to protect the material for the 24 to 72-hour period.**
- u) Do not install at temperature below 65°F (18°C) or above 86°F (25°C). Ambient temperature will affect the curing time of the adhesive. Lower temperatures will decelerate the curing time while higher temperatures will accelerate curing. Special care should be taken to accommodate ambient temperature to ensure proper transfer of adhesive.

2.3 TROWEL SIZES

The only recommended trowel size for the installation of Mondo commercial flooring goods is the 1/32" x 1/16" x 1/32" "U" notch trowel and it applies to all Mondo adhesives.

2.4 ADHESIVES

Mondo commercial flooring products can be installed using our acrylic, polyurethane or epoxy adhesives. See respective section of this manual for specified adhesive information.

2.5 INITIAL CLEANING AND MAINTENANCE PROCEDURES

- a) Before proceeding with the initial cleaning, allow the newly installed flooring a setting time of 72 hours.
- b) Follow Mondo commercial maintenance procedures to ensure proper and adequate maintenance of product.

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.

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TYPICAL LAYOUT OF MONDO SHEET GOODS

Roll no. 1	Balance of roll no. 4	Balance of roll no. 7	Balance of roll no. 9	Balance of roll no. 12	Balance of roll no. 15	Balance of roll no. 18	Balance of roll no. 20	Balance of roll no. 23
	Roll no. 5		Roll no. 10					
Roll no. 2	Roll no. 6	Roll no. 8	Roll no. 11	Roll no. 13	Roll no. 16	Roll no. 17	Roll no. 19	Roll no. 22
				Roll no. 14				
Roll no. 3	Roll no. 7	Roll no. 9	Roll no. 12	Roll no. 15	Roll no. 18	Roll no. 20	Roll no. 23	Roll no. 25
Roll no. 4								