

SHAW Compu-tile Installation Guidelines For Access Floors

Special Instructions

- Check the quantity, color, and lot numbers of the tiles before beginning the job. DO NOT MIX DYE LOTS. All claims for damages or deficiencies must be made prior to installation.
- Be sure that other contractors, such as painters and masons, have completed their work or take the necessary precautions before installation begins.

Floor Preparation: General

- The floor temperature should be a minimum of 68°F for 48 hours before the installation, and remain at this temperature and/or not rise above 90°F at any time during installation and 24 hours after the installation. Tiles and adhesive must be conditioned at room temperature for 48 hours before and during installation.
- The access floor must be clean and free of all foreign matter: grease, oil,

paint, wax, dirt, dust, old adhesives, or any material that might interfere with the overall bond strength of the adhesive. The floor should be sound and level. All edge trim must be properly fastened to the panels.

Floor Preparation: Specific

OLD CARPET TILE: Remove old carpet tile. If existing multi-purpose adhesives are not compatible with SHAW CONDUCTIVE RELEASABLE ADHESIVE, adhesive must be removed. Existing pressure sensitivity adhesive may be compatible. Check for compatibility by installing 4' x 4' test patch.

STEEL PANELS: Steel panel top sheets must be clean, level, dry, and free from dust, paint, or other extraneous materials.

CONCRETE PANELS: Concrete must be clean, dry, and have a pH range of 5-9. The concrete top should be level and free from dust, powder, paint, or other extraneous materials.

HPL PANELS: Remove and strip any old wax from the surface. The HPL must be clean and free from dust, powder, paint, or other extraneous materials.

Installation Procedures

Install 18' x 18' or 24' x 24' COMPU-TILE and SHAW CONDUCTIVE RELEASABLE ADHESIVE in accordance with the following procedures:

1. **IMPORTANT** – Use only SHAW INDUSTRIES products. COMPU-RELEASE CONDUCTIVE RELEASABLE ADHESIVE, pressure sensitive carpet tile adhesive specifically formulated for access floor installations.

Use with sufficient ventilation.

The adhesive is a conductive releasable adhesive for conductive carpet tiles.

2. For this application, use a 1/4" foam roller. The adhesive should be poured on through the spout built into the adhesive lid. For best pouring results, puncture a hole in the lid with a screwdriver. Pour the adhesive in an "S" configuration 8' tall. The adhesive should be rolled to achieve complete coverage on the access floor panels. Before rolling, pour a small puddle of adhesive on the floor and prime the roller before spreading.
3. Allow the adhesive to dry completely before putting tile in place. A fan can help reduce drying time by as much as 40%. The average drying time is 75

minutes. As it dries, the adhesive becomes tacky. This will vary depending on humidity and temperature. Coverage using this method is 50 square yards per gallon. To make sure the adhesive is permanently tacky, the adhesive should not transfer to your finger.

Adhesive can be removed from tools and carpet face with soapy water, then wiped with a rag dampened in a chlorinated solvent.

Tile Installation Procedures

1. Measure the area to find the best starting point for a maximum size perimeter tile. In some cases, due to doorways or partitions, the starting point is not the center of the room. Proper planning should avoid trimming perimeter tiles more than half their width (9" for 18" x 18" tiles).
2. After selecting the starting point "X", snap chalk lines on the floor from the center of each opposite wall. The two center lines must bisect this point at right angles in the center of the room—starting point "X". To achieve a perfect right angle, which is critical, form a triangle by measuring 6' x 8' x 10'.
3. To insure uniform appearance, long-term performance, and to enhance the access floor installation, it is best to install the carpet tiles centered over the

seam of the access floor panels. Do not try to install a 24" x 24" carpet on a one-to-one basis.

4. After the SHAW CONDUCTIVE RELEASABLE ADHESIVE has set up, begin to lay the tiles. It is very important that the chalk lines be used as a guide for lining up the edges of the modules.
5. Using the pyramid technique, install one quadrant at a time, following the numerical sequence.
6. The corners of the tiles should be flat to ensure proper fit. Seams should lightly touch.
7. **CAUTION! DO NOT JAM CARPET TILES.** Use a steel wheel seam roller or similar device to blend and enhance the seams.
8. The loop pile tiles will have some yarn blossoming at the edges, which is inherent to this type of construction. Face yarn or the strands from the primary may require occasional trimming.
9. Keep foot traffic off newly laid area while installing to prevent shifting.
10. When installing the tile to achieve a monolithic look, install the tile in the same direction as the pile directional arrows printed on the back of all of the tiles.

ELECTRICAL PROPERTIES:

COMPU-TILE and SHAW COMPU-RELEASE have been designed to provide an efficient conductive path-to-ground for static electricity occurring on the surface of the floor.

Electrical Resistance (measured in ohms)	Typical Value	Acceptable Range
NFPA 99 Test (average 5 or more readings between electrodes 3' apart across the seam and floor to ground)	1.0 x 10 ⁷ ohms	1.0 x 10 ⁹ ohms maximum to 2.5 x 10 ⁴ ohms minimum

GROUNDING:

Several acceptable methods are available for grounding access floor panels. These methods are dependent on the type of access floor understructure, local building codes, and the end user's preferences.

1. Assemble and connect one connector clamp from under the carpeting to the access floor pedestal.
2. Place about 12" of the foil strip into the SHAW CONDUCTIVE RELEASABLE ADHESIVE. When the adhesive becomes dry

and tacky, fasten the clamp to the access floor pedestal below. Make sure the copper grounding connector is fastened tightly onto the pedestal.

GROUNDING FREQUENCY:

Attach copper connector to the access floor understructure every 3,000 square feet.

GROUNDING ACCESS FLOOR SYSTEM WITH COMPU-TILE:

For stringer and bolted corner lock systems, contractor shall wire the access floor system to a bolt and three successive pedestal heads, and run the wire every 1,000 square feet. In locations where the access floor system is being grounded, the contractor should install the connector. All systems should be grounded at a single point. Grounding systems should follow recommendations of electrical contractor and building code.

The Conductors



COMPUTILE



CARPET TILE FOR ACCESS FLOORS



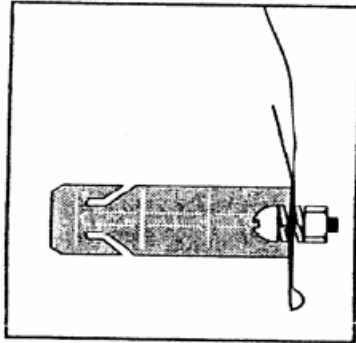
CONNECTOR™

GROUNDING INSTRUCTIONS

The electrical contractor shall connect the access floor system together with the CompuTile to the building ground as follows:

WARNING: FOIL STRIP HAS SHARP EDGES. WEAR GLOVES WHEN ASSEMBLING.

Figure A



- I. Assemble the connector clamp (see Figure A).

Step 1: Position hole in the connector clamp on the hole at the end of the foil strip on the folded side.

Step 2: Place washer on the screw and place the screw through the hole on the inside of the clamp and through the foil.

Step 3: Place second washer and nut on the outside of the foil onto the screw and firmly tighten until lockwashers are flush, so that clamp prongs are positioned as in Figure A.

- II. Installing the connector (see Figure B). Place about 12" of the foil strip into the CompuRelease adhesive when the adhesive becomes tacky, and fasten the clamp to the access floor pedestal below.

- III. Frequency of connector. Attach one connector to the understructure every 3,000 square feet. Grounding system for the access floor should follow recommendations of electrical contractor and building code.

