Installation

patcraft®

CARPET TILE

For best results review the product and product specific guidelines prior to indoor installation. Shaw will not be responsible for improper installation and installation of visual manufacturing defected tiles. Failure to follow guidelines may result in limiting warranty coverage. Contact Shaw Technical Support at 800.471.7429 for additional information.

CONDITION YOUR SITE AND TEST

HVAC System must be operational maintaining the following conditions for 24 hours prior to, during and permanently after installation:

- **Temperature:** The installation site, carpet and adhesive must be between 50° F and 95° F. The adhesive will not function properly when exposed to temperatures outside this range.

Do not begin installing if the subfloor temperature is below 50°F.

- **Humidity:** The installation site's ambient relative humidity must not fall below 40%.
- **Moisture:** Conduct Relative Humidity testing.(ASTM F-2170), or the Anhydrous Calcium Chloride (ASTM F-1869).

Shaw recognizes RH as the qualifying standard.

- **pH:** Conduct pH testing in several locations. A reading below 5.0 or above 9.0 (ASTM F-710) requires corrective measures

* EcoLogix ES does not require moisture or pH testing.

Do not begin the installation if an unacceptable moisture level is detected. If excessive moisture is present, the general contractor or building owner must be advised and a decision made if the installation is to begin. Shaw Industries will not be responsible for any moisture related installation failures if these guidelines are not strictly followed.

Use premium pressure sensitive adhesives / moisture remediation products that are compatible with Shaw carpet tile backing systems based on moisture / pH test results.

- Shaw 5000 (CaCl 10 lbs. / RH 95% / pH 5-11) or Shaw 5100 (CaCl 10 lbs. / RH 95% / pH 5-11)
- For antimicrobial protection, use Shaw 5036 (passes AATCC 174 - CaCl 10 lbs. / RH 95% / pH 5-11)
- For excessive moisture, use Shaw 4151 (CaCl 10 lbs. / RH 99% / pH 12)

For reference purposes only if printed or downloaded.

PREPARE THE FLOOR

The substrates must be structurally sound, clean, level and dry. And must be free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, adhesives, loosely bonded toppings, loose particles, and any other substance or condition that may prevent or reduce adhesion

NOTE: Do not sand or scrape Vinyl Asbestos Tile (VAT) without proper attention to abatement procedures and precautions in accordance with all state and local codes. Shaw Industries makes no claims as to the acceptability of this procedure as a mitigation method in lieu of asbestos removal; and accepts no responsibility if any loose asbestos- containing floorings are affected upon removal of a Shaw Industries commercial tile.

CAUTION: Do not allow cutback asphaltic adhesive or any other non-approved adhesive to come into contact with new adhesives, an installation failure could result. If this situation arises, contact Shaw Technical Support.
Fill depressions or cracks with a cementitious patching / leveling compound that meet or exceed Shaw Industries maximum moisture level and pH requirements. Use of gypsum-based patching and/or leveling compounds which contain Portland or high alumina cement and meet or exceed the compressive strength of 3,000 psi are acceptable.

You may use wax-based (green) sweeping compounds if you sweep and remove them immediately.

EcoWorx ES I Ecologix ES is a peel-and-stick system. It is extremely important that the subfloor be completely free of dust or debris that could contaminate the applied adhesive. To ensure a proper bond, apply latex primer such Shaw 9050. Failure to prime the sub floor may result in installation failure.

Dusting/Powdering/Porous Concrete/Lightweight Concrete: Prime with a latex primer such as Shaw 9050.
Patch/Leveler: Prime with a latex primer such as Shaw 9050.
VCT and VAT: All tiles must be secure to the subfloor. Strip any wax from the surface.
Wood Subfloors: Floors must be Wood Association Approved and primed with a latex primer such as Shaw 9050.
Raised Access Flooring: All panels must be smooth, level, secure and free of any material that will affect the adhesive bond. Carpet tiles must be installed offset from access panel seams. Gaps between panels must not exceed 1/16" (1.6 mm).

PREPARE EXISTING ADHESIVE

Pressure Sensitive Adhesive Affected by Plasticizer Migration: If the previous carpet tile had a PVC backing and the plasticizer in the backing has transferred to the adhesive, you must thoroughly remove adhesive by wet scraping.

Existing Pressure Sensitive Adhesive: Evaluate the tack level of the existing adhesive. If sufficient, the existing adhesive can be used to install Shaw's tile products. If insufficient, apply new adhesive over existing adhesive.

Active Cutback Adhesive: Wet scrape adhesive, reduce to a well-bonded residue and encapsulate with a product such as Shaw 9000.

For reference purposes only if printed or downloaded.

Non Active Cutback Adhesive: Wet scrape adhesive and reduce to a well-bonded residue.

Do not use adhesive removers; they affect the bond and the new adhesive being applied.

LAY OUT YOUR SITE

- Start the tile installation as near to the center of the room as possible and position it to use the largest perimeter cut tile.
- Snap a chalk line parallel to one major wall bisecting the starting point. It may be necessary to offset the center chalk line to assure perimeter tiles will be at least half size.
- Snap a second chalk line from the starting point at 90° to the first line. Use a 3-4-5, 6-8-10, or larger triangle depending on the room size. Meters or feet may be used to lay out the triangle in these proportions

APPLY YOUR ADHESIVE

Use a full spread of adhesive. We recommend the use of a premium pressure sensitive adhesive. Use a 3/8" foam paint roller or 1/16" x 1/32" x 5/64" u-notch trowel. The adhesive must be allowed to dry completely before installing the carpet tile. Installing into wet adhesive will result in a permanent bond and may cause the carpet to bubble.

EcoLogix® - advise trowel application
EcoWorx ES I Ecologix ES - no adhesive is required StrataWorx® - advise paint roller application

Refer to Shaw's adhesive products for additional information.

INSTALL YOUR TILES

Install each full carton and complete an entire pallet before starting another pallet to minimize product variation. All Shaw tiles have directional arrows on the back of the tile. This facilitates the installation method which is based on the recommendations of the product, or the preference of the customer. Numbers within the arrows are for manufacturing purposes and are not related to installation.

- Begin installation at the intersection of two chalk lines. Continue until you complete one quadrant.
- Proceed to an adjoining quadrant until all four quadrants are completed. Larger areas may require chalk lines bisecting the original four quadrants.
- Install tiles using the pyramid technique. This gives you multiple alignment checks. If the edges do not align and the misalignment increases with progression of the installation, find and correct the source of the problem.

For reference purposes only if printed or downloaded.

- Slide tiles into position to prevent yarn from being trapped between the tiles. Trapped yarn will adversely affect the appearance of the installation and will cause alignment problems. EcoWorx ES I Ecologix ES products are manufactured with the adhesive already applied. Once the tile is ready to install, simply peel the liner from the back and position snugly to the

- aTdilejascmenutsttilfeit. snugly, but not be compressed. Press the entire surface of the tile to ensure adhesion. Check for fit by measuring the length of ten full tiles after installation. The measurement must not be less than, or exceed by more than 1/4 inch, the length of the tile being multiplied by ten. For example: if 24" X 24" tiles are being installed, the measurement should be between 240 and 240 1/4 inches.

- Roll the entire installation with a 75 lb. or greater roller to assure the proper adhesion to the substrate.

Flatwire Cable Systems

Flatwire cables should be installed on top of the adhesive and centered underneath the carpet tile for better seam quality.

CUT YOUR TILES

- Measure and cut tiles from the back using a straight edge. Be sure the arrows are pointing in the correct direction.

- Or let tiles cove up the wall and cut with a carpet knife, wall trimmer or similar tool. Do not compress.

POST INSTALLATION CARE AND PROTECTION

- Place plywood over the carpet when heavy objects are moved within 24 hours after installation.

- Use protective chair mats under chairs with casters. This will prevent excessive wear to the face of the carpet and possible transfer of the pressure sensitive adhesive to the back of the carpet.

- Place a non-staining building material paper over the carpet to protect it when additional construction activity is to take place. Do not use plastic sheeting as it will trap moisture.

For best results, temperatures should remain above 50° and ambient humidity should not fall below 40%.

For reference purposes only if printed or downloaded.