

# PERFORMANCE TURF INSTALLATION



## Indoor Installation Guidelines

*Notice – For best results review the following guidelines prior to installation. Shaw will not be responsible for improper installation and failure to follow these guidelines may result in limiting warranty coverage.*

These installation procedures are intended to assist in the installation Shaw Performance Turf Products under most job conditions. Specific questions regarding installation not covered within must be referred to Shaw Technical Support at 1.800.471.7429.

Any variance from these procedures will become the responsibility of the installer and not the manufacturer. Additional information regarding Shaw Performance Turf Products can be found at [www.philadelphia-commercial.com](http://www.philadelphia-commercial.com).

### Site Testing and Conditioning

The installation is not to begin until the HVAC system is operational and the following conditions are maintained. Maintain the temperature of the installation site, carpet, and adhesive between a minimum temperature of 65° F and a maximum temperature of 95° F for 24 hours before installation. The installation sites' ambient relative humidity should not exceed 65%. Maintain these conditions for 24 hours prior to, during and permanently afterwards.

**Moisture requirements** – Moisture testing must be performed. Shaw requires the use of the following test methods: Relative Humidity (RH) ASTM F-2170 results should be below 85% or the Anhydrous Calcium Chloride ASTM F-1869 results should not exceed 5.0 lbs. per 1000 square feet per 24 hours (2.27 kg/92.9m<sup>2</sup>/24 hours). Shaw recognizes the relative humidity (RH) test as the qualifying standard.

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.

**pH requirements** – Test the pH of the concrete prior to beginning the installation. Check the concrete for surface pH at several locations. A reading below 5.0 or above 9.0 requires corrective measures. Specific information on the correct method of neutralizing low or high pH is available through Shaw Technical Support.

# PERFORMANCE TURF INSTALLATION



## *Indoor Installation Guidelines*

### **Substrate Preparation**

All substrates must be structurally sound, clean, level and dry. The substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, and any other substance or condition that may prevent or reduce adhesion. Depressions and cracks must be filled with a liquid latex additive cement based patching compound and all protrusions leveled.

- **Concrete** – must be clean, level and dry. The substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, and any other substance or condition that may prevent or reduce adhesion. Depressions and cracks must be filled with a liquid latex additive cement based patching compound and all protrusions leveled.
- **Dusting / Powdering Concrete / Gypcrete** – Concrete floors must be sealed with liquid latex such as Shaw 9050.
- **Pressure Treated Decking** – we advise installing a marine grade plywood over the decking surface to prevent unevenness or gaps from telegraphing through the carpet. The marine grade plywood must be allowed to cure for a minimum of 30 days.
- **Wood** – must be Wood Association Approved and must be sealed with liquid latex such as Shaw 9050.
- **Backer Board** – must be primed with Shaw 9050 due to porosity and elevated pH of this product.

# PERFORMANCE TURF INSTALLATION



## Indoor Installation Guidelines

### Adhesive Requirements / Application

On extremely porous or rough floors, more adhesive will be needed. Spread rate should never exceed 20 square yards per 2 gal. or an installation failure may occur. This indicates a worn or improperly notched trowel.

Backing System	application	coverage
Urethane Unitary Broadloom	1/8" x 1/8 x 1/8" U-Notch	4-6 yds. per gallon
Polyurethane Cushion Broadloom	1/8" x 1/8 x 1/8" U-Notch	4-6 yds. per gallon

*Trowel dimensions are width/depth/space. Coverages shown are for estimating purposes only. Actual jobsite coverages may vary according to substrate conditions, type of trowel used and setting practices.*

Shaw 7300 adhesive must have adequate open time to become tacky prior to installation. The completed installation must maintain dry conditions for 72 hours in order for the adhesive to cure properly. Adhesive open time will vary depending on temperature, humidity, substrate porosity, trowel size and jobsite conditions. The adhesive is ready for turf installation when the entire ridge of glue becomes tacky. This can be checked by firmly placing a finger into the adhesive and lifting slowly. The glue should have legs or strings and not be wet at the floor surface to ensure a full transfer of adhesive.

### Site Layout

Dry lay the entire area to be installed to allow reduction of internal tensions caused by packaging and transportation.

### Cutting Techniques

**Polyurethane Cushion** – Row Cut – Row Cut

**Urethane Unitary** – Row Cut – Row Cut from the backing using the raised tufting ridges as a guide.

### Installation

- Apply Shaw 7300 or approved alternative adhesive according to the Adhesive Requirements / Application Chart.
- Adhesive must be allowed to become tacky to touch prior to installing the product.
- Roll the product with a 75 lb. weighted roller across the width and length of the product surface.
- The completed installation must maintain dry conditions for 72 hours in order for the adhesive to cure properly.

### Transitions

Transition molding or strip that covers the carpet edge at least .75" is recommended for unprotected edges or where carpet meets other floor coverings.

### Post Installation Care

The completed installation must maintain dry conditions for 72 hours in order for the adhesive to cure properly. Do not allow exposure to foot traffic for a minimum of 24 hours.

DS100215