

## SHAW 7300 SPECIFICATION

### TURF AND SEAM ADHESIVE

Any variance from these procedures will become the responsibility of the installer and not the manufacturer. See Philadelphia Commercial's Installation Guidelines for additional information. Installation guidelines can be obtained by contacting us at the number below. For installation assistance please contact Philadelphia Commercial Technical Support at 800.441.7429.

Shaw 7300 is a high-performance, two-component, fast-set urethane adhesive designed for the high-performance seaming and direct bonding of indoor/outdoor and turf products. Shaw 7300 is particularly suited for use in areas of low ambient relative humidity and in cool temperatures. Shaw 7300 is colored green to blend in with most turf products and cures within 2 to 4 hours to form a tough durable bond. Shaw 7300 provides seam strengths that are in compliance with FIFA standards.

### FEATURES AND BENEFITS

- For interior/exterior use (non-flammable & non-toxic)
- Cures quickly and provides a moisture-proof, tough bond
- Bonds to virtually all types of turf

Weight	Pallet Qty.	Pallet Weight
15 lb (3.5 gal containing Parts A/B)	48	744 lbs

Laboratory Tests	Results
Polymer Type	Polyurethane
Percent solids - Part A/Part B	100% / 100%
VOC's Rule #1168 of California's SCAQMD	2 g/L
Pot Life*	45 to 60 minutes
Starting Set Time*	1 to 2 hours
Color – Part A/Part B/Combined	Green/Brown/Dark Green
Shelf Life	1 year when stored in original packaging at 73° F (23°C)
Flash point (ASTM D56)	> 200°F (93°C)

Laboratory Tests	Results
Protect from traffic	24 hours for light traffic, 72 hours for heavy traffic

*\*Temperature greatly affects the pot life and set time of Shaw 7300. In cold temperatures, Part B must be maintained at a minimum of 40°F (4°C). In hot temperatures, the pot life can be reduced by as much as 50%. Although the adhesive is freeze/thaw stable, protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.*

## ENVIRONMENTAL

- Meets the requirements of California South Coast Air Quality Management District Rule 1168
- Meets the requirements of California Department of Public Health Section 01350
- CRI Green Label Plus Certified #84382

### LEED IEQ CREDIT INFORMATION (2009 AND V4)

Credit Requirement	Status	Comment
Meet SCAQMD Rule 1168 VOC Limits	Complies	VOC Content < 50 g/L

## 8-YEAR WARRANTY

This product is covered by a 8-year limited warranty. For information on this limited warranty, please ask your authorized Shaw retailer or contact the number 1 800.441.7429 .

## INSTALLATION INSTRUCTIONS FOR ADHESIVE

For more detailed instructions, please refer to Philadelphia Commercial's installation instructions and/or the CRI installation standard.

### 1. PREPARE THE FLOOR

All substrates must be structurally sound, dry, solid and stable. Substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other substance or condition that may prevent or reduce adhesion. Substrates must be level & smooth. Level any high spots, and fill all cracks, holes and minor depressions with a suitable underlayment

or floor patch. For exterior applications, we advise the use of an exterior grade patching compound, irregularities can “telegraph” through the new floor covering as a result of inadequate surface preparation.

## Exterior

Site Conditions: Temperatures should be 50°F - 90°F during the installation phase, and not drop below 32°F for 48 hours. Installations should not receive drenching rain or moisture from other sources for 48 hours after application. Adhesive becomes more water resistant as it cures. Areas to be covered should have good drainage. **Do not** use in areas that will be continually submerged in water.

## Interior

Porous surfaces such as gypsum should be sealed by applying a single coat of primer sealer with a short nap paint roller and allow to dry before making final application with the recommended trowel.

## SUITABLE SUBSTRATES ARE:

### Exterior

- Concrete, cured asphalt (minimum 12 months old) and other clean paving surfaces
- Exterior or marine grade plywood (Group 1, CC type)
- Aluminum and fiberglass that is clean and has been roughed up or sanded to remove oxidation and give a better mechanical bonding surface
- Substrates that have been stained, painted, sealed or otherwise coated must be tested to assure compatibility with the adhesive

### Interior

- Other approved wood underlayments (per manufacturer recommendations)
- Concrete and properly prepared terrazzo
- Cement-based self-leveling underlayments and patching compounds

- Embossing levelers applied over existing fully bonded ceramic tile, and sheet vinyl
- A single layer of properly prepared, fully bonded vinyl composition tile (VCT)
- Properly prepared and primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength

For substrates not covered, contact Philadelphia Commercial Technical Support at 800.441.7429. for recommendations.

## 2. DETERMINE DRY TIME

Flash is the waiting time required before installing flooring. Working time is the window of time the adhesive will accept the tile. Flash times and working times may vary based on temperature, humidity, substrate porosity, application method and jobsite conditions.

Shaw 7300		
Flooring Type	Flash	Working Time
Non-Porous Floors	No Flash Time Required	30 to 45 Minutes (Interior) Varies by Temp (Exterior)

## 3. DETERMINE COVERAGE AND SELECT APPLICATION METHOD

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

Interior/Exterior Application And Coverage		
Flooring Type	Typical Trowel	Coverage
Indoor/Outdoor, Turf and Seam Tape	1/8" x 1/8" x 1/8" U Notch (3 x 3 x 3 mm)	4-6 sy/U.S. gal (0.9-1.3 m <sup>2</sup> per L) Parts A/B mixed yeild 2 gal
Outdoor Carpet Tile	1/16" x 1/16" x 1/16" U / Square Notch (3 x 3 x 3 mm)	14 - 21 sy/U.S. gal per gallon (3.06-4.53 m <sup>2</sup> per L).

## 4. APPLY ADHESIVE

Read all installation instructions thoroughly before installation. Once the adhesive is mixed according to the instructions, remove the adhesive from the pail immediately to retain optimal adhesive working time. Select the appropriately notched trowel. Spread adhesive evenly over the subfloor,

keeping the trowel at a 45° angle to the subfloor.

## 5. ROLL PRODUCT

Roll the width and length of the floor with a 75- to 100-pound roller to ensure adhesive transfer to the backing. Roll again after 1 hour; should bubbles appear, apply a weighted object (such as a sandbag) to the area.

## 6. PROTECT FLOOR

Protect floor with plywood if heavy objects are moved on top of surface within 24 hours.

## 7. CLEAN UP

Use acetone applied to a clean white cotton cloth to remove fresh adhesive from carpet, turf and tool surfaces.

## LIMITATIONS

When installing patterned carpet, be aware that time is very limited for pattern adjustment.