

Shaw 3500 Specification

ADHESIVE FOR ECOWORX® BROADLOOM AND ECOWORX PERFORMANCE BROADLOOM

Any variance from these procedures will become the responsibility of the installer and not the manufacturer. For specific questions regarding Shaw 3500 not covered within this document contact us at the number below. For installation assistance, please contact Shaw Product Support at 1.800.471.7429.

Shaw 3500 is an extremely high-solids, high-strength, and fast-grabbing carpet adhesive. Shaw 3500 requires a minimum of 30 minutes tack time for most installations.

FEATURES AND BENEFITS

- Good working time for pattern adjustment
- New lower-odor formula for use in occupied buildings
- CRI Green Label Plus certified and SCAQMD compliant
- Mildew resistant and non-staining

Weight	Pallet Qty.	Pallet Weight
39 lbs.	48	1961 lbs.

Laboratory Tests	Results
Polymer type	Synthetic rubber resin blend
Percent solids	80%
VOCs Rule #1168 of California's SCAQMD	<5 g/L
Trowelability	Heavy
Density	1.14 lbs./gal.
Consistency	Thick
Color	Off-white
Tracer	Red and green square
Shelf life	1 year when stored in original packaging at 70° F (21°C)
Storage conditions	65°F to 95°F (18°C to 35°C)
Flash point (ASTM D56)	> 212°F (100°C)
Protect from traffic	24 hours for light traffic, 72 hours for heavy traffic

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 #82405

LEED (VERSION 3.0) CONTRIBUTION

MR Credit 5, Regional Materials	Up to 2 points
IEQ Credit 4.1, Low-emitting Materials, Adhesives & Sealants	1 point
IEQ Credit 4.3, Low-emitting Materials, Flooring Systems	1 point

1-YEAR WARRANTY

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

INSTALLATION INSTRUCTIONS FOR ADHESIVE

For more detailed instructions, refer to Shaw's Installation Guidelines and the CRI Installation Standard. This product is for interior installation only.

1. CHECK THE MOISTURE LEVEL AND pH

Do not begin the installation over concrete substrates that do not meet the following MVER moisture vapour emission rate requirements.

- **Moisture:** Conduct Relative Humidity (RH) testing and results must be below 85% (ASTM F-2170) or Anhydrous Calcium Chloride test must be less than 5 lbs. per 1,000 sf (2.27 kg per 92.9 m²) per 24 hours, when using the ASTM F-1869 test. Shaw recognizes the RH test as the qualifying standard.
- **Alkalinity:** pH testing should be performed with results ranging between 5.0 and 9.0 (ASTM F-710). Take corrective measures if the results exceed these limits.

2. PREPARE THE FLOOR

- All substrates must be structurally sound, solid, stable, level, even, flat, smooth and dry.
- 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.
- If inactive multi-purpose adhesive exists, remove ridges by scraping or sanding to expose the bare concrete leaving only a well bonded light residue. Sweep and vacuum any remaining debris prior to the application of the adhesive. If the multi-purpose is active, remove ridges to expose the bare concrete leaving only a well bonded light residue.
- When installing over existing pressure sensitive adhesive, remove ridges to expose the bare concrete leaving only a well bonded light residue and eliminate the remaining tack of the adhesive with use of Shaw 6200.

Suitable substrates are:

- Wood Association approved wood underlayments
- Concrete and properly prepared terrazzo
- Cement-based self-leveling underlayments and patching compounds containing a latex additive
- Embossing levellers applied over existing, properly prepared and fully bonded ceramic tile and sheet vinyl
- A single layer of properly prepared, fully bonded vinyl composition tile (VCT) after wax removal
- Properly prepared and primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength

3. 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.

Application Characteristics over Porous Substrates		
Flooring Type	Flash	Working Time
EcoWorx Broadloom	30 minutes tacky to touch	30-40 minutes
Application Characteristics over Non-porous Substrates		
EcoWorx Broadloom	Tacky to touch	10 minutes

4. DETERMINE COVERAGE AND SELECT APPLICATION METHOD

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

Flooring Type	Typical Trowel	Coverage
EcoWorx Broadloom Patterned	1/8"x1/8"x1/8" U Notch (3.2x3.2x3.2 mm)	5-7 SY/US gal. (4.18-5.85 m ² /3.79 L)
EcoWorx Broadloom Non-patterned	3/32"x3/32"x3/32" U Notch (2.4x2.4x2.4 mm)	8-9 SY/US. Gal. (6.69-7.53 m ² /3.79 L)

5. APPLY ADHESIVE

- Read all installation instructions thoroughly before installation.
- Select the appropriately notched trowel.
- Spread adhesive evenly over the subfloor, keeping the trowel at a 45° angle to the subfloor. The adhesive is ready for carpet installation when the entire ridge of glue becomes tacky. This can be checked by firmly placing a finger into the ridge of adhesive and pressing to the floor. Lift slowly and the adhesive should stick to the floor and your finger and have legs or strings of one to two inches. Fans or air movers blowing across not on the adhesive will greatly reduce required open time.

6. SEAL ALL SEAMS

- Seal all seams according to Shaw's Installation Guidelines.

7. ROLL THE FLOOR

- Roll the width and length of the floor with a 75- to 100-pound roller.

8. STEAM THE CARPET

- Roll until carpet is bonded uniformly to the substrate. If carpet lifts at seams or if bubbles occur, roll again until carpet is bonded firmly to floor. This backing may require steaming. Please see Shaw Industries EcoWorx Broadloom Installation Guidelines for details regarding steaming.
- Inadequate adhesive application or set up time may result in bubbles and/or peaked seams and repair will require more time and effort than proper initial installation. In order to alleviate bubbles, creases, pile distortion and crushing, it is advised to steam the carpet. Successful steaming is dependent on an adequate application of adhesive.

9. PROTECT THE FLOOR

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

10. CLEAN UP

Clean tools with water while the adhesive is still fresh/wet. Clean with mineral spirits once dried. Use caution with mineral spirits, which may be harmful to some materials.

LIMITATIONS

- Do not install over any substrates containing asbestos.
- Use for interior installations only.
- Do not apply over any active cutback adhesive.
- Use only when the ambient temperature is between 65°F and 95°F (18°C and 35°C).

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