

Shaw 3400 Specification

ECOWORX® AND ECOWORX PERFORMANCE BROADLOOM ADHESIVE WITH FLORSEPT

Any variance from these procedures will become the responsibility of the installer and not the manufacturer. See Shaw’s Broadloom Installation Guidelines for additional information. Installation guidelines can be obtained by contacting us at the number below. For installation assistance, please contact Shaw Product Support at 1.800.471.7429.

Shaw 3400 adhesive is an acrylic based floor covering adhesive which contains antimicrobial agents that meet the AATCC 174 standard and is specifically formulated for permanent installations of non porous backed carpets such as EcoWorx and EcoWorx Performance Broadloom. It is an environmentally friendly adhesive containing over 20% post consumer recycled materials. Adhesive color variations may occur due to recycled content.

FEATURES AND BENEFITS

- Minimal or no flash time required (15 minutes for non-porous floors)
- Excellent wet grab to eliminate bubbles
- Good working time for pattern adjustment
- New lower-odor formula for use in occupied buildings
- CRI Green Label Plus certified and SCAQMD compliant
- Shaw 3400 meets AATCC 174
- Contains more than 20% post consumer recycled content
- Higher Moisture Tolerance

Weight	Pallet Qty.	Pallet Weight
42 lbs.	48	2041lbs.

Laboratory Tests	Results
Polymer type	Acrylic polymer
Percent solids	70-80%
VOCs Rule #1168 of California’s SCAQMD	<5 g/L
Trowel ability	Light
Density	10.5 lbs./gal.
Consistency	Creamy
Color	Grey
Tracer	Green and red glitter rods
Shelf life	1 year when stored in original packaging at 73° F (23°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.

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ENVIRONMENTAL

- CRI Green Label Plus Certified #60112
- Meets requirements of California South Coast Air Quality Management District Rule 1168
- Meets requirements of California Department of Public Health Section 01350

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 more detailed instructions, refer to Shaw’s Installation Guidelines and the CRI Installation Standard.

1. CHECK THE MOISTURE LEVEL AND pH

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

- **Moisture:** Conduct Relative Humidity testing and results must be below 90% (ASTM F-2170) or the Anhydrous Calcium Chloride test must not exceed 8.0 lbs. per 1000 SF (3.62 kg per 92.9 m²) per 24 hours (ASTM F-1869 test). Shaw recognizes RH 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.

Do not begin the installation if an unacceptable moisture level is detected. Contact Shaw Product Support for additional recommendations. If excessive moisture is present, the general contractor or building owner must be advised and a decision made if the installation is to begin.

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 Shaw 6200.

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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 Substrates		
Flooring Type	Flash	Working Time
Porous floors	0-30 minutes	1 hour permanent bond. Product does not develop legs as it cures.
Non-porous floors	15-35 minutes or until dry	3-4 hours

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.

Application and Coverage		
Flooring Type	Application Method	Coverage*
EcoWorx Broadloom	3/32" x 3/32" x 3/32" V Notch (2.4x2.4x2.4 mm)	10-12 SY/US Gal (8.36-10.2 m ² /3.79L)

5. APPLY ADHESIVE

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.

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