

LOKWORX ECOWORX BROADLOOM SPECIFICATION

ECOWORX BROADLOOM AND ECOWORX PERFORMANCE BROADLOOM ADHESIVE WITH FLORSEPT

Any variance from these procedures will become the responsibility of the installer and not the manufacturer. For specific questions regarding this adhesive not covered within this document contact Shaw Technical Support at 1.800.471.7429.

LokWorx EcoWorx Broadloom Adhesive with Florsept is an extremely high-solids, high-strength and fast-grabbing carpet adhesive. This adhesive requires a minimum of 30 minutes tack time for most installations.

FEATURES AND BENEFITS

- Good working time for pattern adjustment
- Low odor formula for use in occupied buildings
- CRI Green Label Plus certified and SCAQMD compliant
- Meets AATCC 174
- Mildew resistant and non-staining

Weight	Pallet Qty.	Pallet Weight
48 lbs. (4 gal)	48	2354 lbs.

Laboratory Tests	Results
Polymer type	Synthetic Rubber Resin Blend
Percent solids	80%
VOCs Rule #1168 of California's SCAQMD	<13 g/L
Trowelability	Heavy
Density	10.8 lbs./gal.
Consistency	Thick
Color	Off-white
Tracer	Red Glitter
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 INFORMATION

- 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 #60112

LEED IEQ CREDIT INFORMATION (VERSION 2009 AND V4)

Credit Requirement	Status	Comment
Meet General Emissions Evaluation Criteria	Complies	CRI Green Label Plus (GLP) # 60112
VOC's (Rule #1168 of California SCAQMD amended October 6, 2017)	Complies	VOC Content < 50g/L

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 us at 1.877.502.7429.

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 vapour emission rate requirements.

- **Moisture:** Conduct Relative Humidity 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 F1869 test.
- **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.

Shaw recognizes the relative humidity (RH) test as the qualifying standard. This product is for interior installation only.

2. PREPARE THE FLOOR

- The substrate must be structurally sound, dry, 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 the remaining debris prior to application. 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.

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.

Porous Substrates		
Flooring Type	Flash	Working Time
EcoWorx Broadloom	Minimum 30 minutes tacky to touch	30-40 minutes
Non-porous Substrates		
Flooring Type	Flash	Working Time
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 the skill of the installer, porosity/texture of the subfloor or type/angle of the trowel used. Trowel dimensions are depth/width/space.

Application and Coverage		
Flooring Type	Application Method	Coverage*
Non Patterned EcoWorx Broadloom	3/32" x 3/32" x 3/32" U Notch (2.4 x 2.4 x 2.4 mm)	8-9 SY/US Gal. or 6.69-7.53 m2 /3.79 Liters
Patterned EcoWorx Broadloom	1/8" x 1/8" x 1/8" U Notch (3.2 x 3.2 x 3.2 mm)	5-7 SY/US Gal. or 4.18-5.85 m2 /3.79 Liters

*For antimicrobial effectiveness, you must use the specified trowel and application rate.

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.
- Do not install shown when the moisture vapor emission rate (MVER) exceeds 5 lbs. per 1,000 sq. ft. (2.27 kg per 92.9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- Do not install when relative humidity of concrete slabs exceeds 85% (ASTM F2170).
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C).