

CITY OF STAUNTON
DEPARTMENT OF FINANCE-
PURCHASING

P.O. Box 58
STAUNTON, VA 24402

540.332.3809 (TEL)
540.851.4011 (FAX)

WWW.STAUNTON.VA.US



CAMERON S. MCCORMICK, CPA
ASSISTANT DIRECTOR OF FINANCE
540-332-3948

BONNIE S. STEPHENSON
PURCHASING & RISK MANAGER
540-332-3819

INVITATION TO BID

September 25, 2017

BID TITLE: CITY HALL & SHERIFF'S OFFICE FLOORING REPLACEMENT

BID #: J00118

BID OPENING DATE: THURSDAY, OCTOBER 12, 2017, 2:00 P.M.

BID/PERFORMANCE/PAYMENT BONDS REQUIRED: No

The City of Staunton is seeking written sealed bids from qualified and properly licensed contractors to remove, dispose of and replace approximately 7,800 sq. ft. of carpet, 1,450 linear feet of cove base and install 316 sq. ft. of vinyl flooring as stated herein. All work shall be in accordance with the specifications contained herein. Any questions regarding the specifications for this bid should be directed to Timothy C. Powell, Facility Services/Refuse Superintendent, at (540) 332-3882, powelltc@ci.staunton.va.us.

Please submit bid for lowest price and best delivery for items and services requested. Advise what discount, if any, will be allowed for payment within a specified time. Terms and delivery date must be specified.

Right is reserved to accept or reject bids on each item separately or as a whole, to reject any or all bids, to waive informalities or irregularities, to negotiate contract terms and options with the successful low bidder, and to contract for the bid to other than the lowest bidder in the best interest of the City of Staunton to the extent allowable by law.

This public body does not discriminate against faith-based organizations in accordance with the Code of Virginia, § 2.2-4343.1 or against a Bidder or Offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

All bids must be submitted no later than **Thursday, October 12, 2017, at 2:00 P.M.** in a sealed envelope plainly marked, **"BID #J00118 - CARPET REPLACEMENT"**, with the name and address of the bidder in the upper left hand corner and accompanied by complete specifications for the items offered. **E-Mail and facsimile responses are not acceptable.** No responsibility will attach the Owner or any official or employee thereof for the pre-opening of, post-opening of, or the failure to open a proposal not properly addressed and identified.

BIDS RECEIVED AFTER THE DATE AND TIME SPECIFIED WILL BE REJECTED
BIDS MUST BE SEALED, MARKED, AND DELIVERED TO:

Mail To:
City of Staunton
Bonnie S. Stephenson
Purchasing & Risk Manager
P.O. Box 58
Staunton, VA 24402-0058

Overnight To:
City of Staunton
Bonnie S. Stephenson
Purchasing & Risk Manager
116 W Beverley St., 3rd Floor
Staunton, VA 24401

Phone: (540) 332-3819

**CITY OF STAUNTON
PURCHASING DEPARTMENT
GENERAL TERMS, CONDITIONS, AND INSTRUCTIONS**

1. SUBMISSION AND RECEIPT OF BIDS:
 - (A) Bids, to receive consideration, must be received prior to the specified time and date of opening as designated in the invitation. E-mail and facsimile submittals are not acceptable.
 - (B) Unless otherwise specified, bidders must use the bid form furnished by the City. Failure to do so may cause bid to be rejected. Removal of any part of the bid form may invalidate the bid.
 - (C) Bids having any erasures, corrections, or typewriter opaquing fluid are not acceptable and will result in rejection of the bid. Prior to submission or opening, errors may be crossed out, corrections entered in ink and initialed in ink by the person signing the bid. No bid shall be altered or amended after the specified time for opening.
 - (D) All bids shall be either typewritten or filled in with ink in order to be considered. Also, all bids must be signed in ink in order to be considered.
 - (E) Bids concerning separate bid invitations must not be combined on the same form or placed in the same envelope. Bids submitted in violation of this provision may not be considered.
 - (F) When specified, each bid shall be accompanied by a bid bond with surety satisfactory to the City or a cashier's or certified check, made payable to the Treasurer, City of Staunton, in an amount equal to 5 per cent of the total bid price. In the event of default by the bidder the 5 per cent deposit shall be and represent liquidated damages to the City.
2. ANNUAL CONTRACT USAGE REQUIREMENTS: Whenever a bid is sought seeking a source of supply for an annual contract for products or services, the quantities or usage shown are estimates only. No guarantee or warranty is given or implied by the City of Staunton as to the total amount that may or may not be purchased from any resulting contracts.
3. PRICING:
 - (A) Bidder warrants by virtue of bidding that prices, terms, and conditions quoted in his bid will be firm for acceptance for a period of sixty (60) days from the date of bid opening unless otherwise stated by the City or bidder.
 - (B) Prices should be stated in units of quantity as specified in the bid form. In case of error in extension of prices in the bid, the unit price shall govern.
 - (C) Bids based on a firm price or those including a "Downward Escalator" clause for an annual contract period may be given preference over lower ones bearing an "Escalator" clause for an annual contract period.
 - (D) When an annual contract is not requested by the City, and the bid is for products or services to be delivered on a one time only or staggered basis, only firm pricing shall be given consideration. General terms such as "Price in effect at time of delivery" shall be cause for rejection of bid.
4. PERFORMANCE BOND: When requested in the bid, the City shall require the successful bidder to furnish a performance bond and labor and material payment bond with surety satisfactory to the City in the amount of contract price at the time of or prior to execution of the contract. If no bond is furnished by the successful bidder, the City reserves the right to award the contract to the next lowest responsible bidder with the next lowest responsive bid.
5. DELIVERY POINT: All items shall be delivered F.O.B. destination, and delivery costs and charges included in the bid price. Failure to do so may be cause for rejection of bid. The bidder shall assume all liability and responsibility for the delivery of merchandise in good condition to the specified delivery location(s).
6. CASH DISCOUNTS: Cash discounts will be considered in determining the award.
7. BRAND NAMES: Unless otherwise provided in the invitation for bid, the name of a certain brand, make, or manufacturer does not restrict bidders to the specific brand, make, or manufacture mentioned; it conveys the general style, type, character, and quality of the equipment desired. The City shall determine in its sole discretion equipment bid to be equal of that specified, considering quality, workmanship, economy of operation, and suitability for the purpose intended, shall be accepted.
8. SPECIFICATIONS: The bidders must also indicate any variances from our specification and/or conditions, NO MATTER HOW SLIGHT. If variations are not stated in the bid, it will be assumed that the product or service fully complies with our specifications. The Purchasing Department is not responsible for locating or securing any information which is not included in the bid. Accordingly, to insure that sufficient information is available, the bidder must furnish as part of his bid all descriptive material, (i.e., Catalog Cuts, illustrations, drawings, specifications, or other information) necessary for the Purchasing Department to determine whether the goods or services offered meet the salient characteristic requirements of the bid.
9. LATEST MODEL/QUALITY: Bidder shall bid on the latest model, design, etc. of this type of equipment by the manufacturer of which he represents. Equipment shall be new and unused.
10. NOTICE OF AWARD: Notice of award will be posted at <http://www.staunton.va.us/solicitation-results>.

**CITY OF STAUNTON
BID FORM****DESCRIPTION****PRICE**City Hall 2nd Floor School Board Office

\$ _____

Cochran Judicial Center Sheriff's Office

\$ _____

TOTAL**\$ _____**

Warranty - Workmanship: _____

Warranty – Materials: _____

SEE ATTACHED SPECIFICATIONS**OFFER**

To Purchasing Department:

In compliance with the bid information, the undersigned offers and agrees, if this offer is accepted within _____ calendar days (30 calendar days unless a different period is inserted by the purchaser) from the bid open date specified above, to furnish any or all items upon which prices are offered, at the price set opposite each item, delivered at the designated point(s), within the time specified.

FOB: Staunton

TERMS: _____

COMPANY NAME _____

BY: _____

PRINTED NAME**SIGNATURE**

STREET ADDRESS _____

CITY AND STATE _____

STATE CONTRACTOR LICENSE NO/TYPE _____

SCC NUMBER. _____

E-MAIL..... _____

PHONE: _____ FAX: _____

**CITY HALL AND SHERIFF'S OFFICE
CARPET REPLACEMENT
SPECIFICATIONS**

SPECIFICATIONS:

The City of Staunton is requesting sealed bids from qualified and properly licensed contractors to supply all materials, equipment, labor, insurance and supervision to demolish and dispose of the old carpet and install approximately 7,800 sq. ft. of carpet, 316 sq. ft. of vinyl flooring and 1,450 linear feet of cove base as stated herein. All work will be completed in accordance with the manufacturers and attached specifications. All work shall be performed during normal hours, Monday through Friday, 8:00 A.M. to 5:00 P.M., unless approved by authorized City personnel in advance. Bid prices shall include all floor preparations necessary to ensure proper bonding of the specified flooring to the sub-floor and installed in a manner to give a pleasing look to the finished product. **All product information and specifications are attached at the end of this bid document.**

All interested contractors are required to visit the job site prior to submitting bids. At the time bids are received, each contractor will be presumed to have inspected the specified areas and to have satisfied himself as to the nature and location of the work, the character of the equipment and facilities needed preliminary to and during the execution of the work, general conditions and all other matters which in any way affect work under this agreement.

No verbal agreement or conversation with any officer, agent, or employee of the City either before or after the execution of this contract shall affect or modify any of the terms or obligations herein contained.

NOTE: All asbestos has been removed from the buildings. Asbestos free documentation will be made available upon request to the successful bidder.

1. Work shall begin in City Hall, 2nd Floor School Board Office, on December 21, 2017, and all office areas must be completed by January 1, 2018. All other areas such as hallways and conference rooms, etc. shall be completed by January 8, 2018. All bids including material and labor costs shall remain firm through January 30, 2018.
2. Work shall begin in the Cochran Judicial Center, Sheriff's Office on January 8, 2018, and must be completed by January 12, 2018. All bids including material and labor costs shall remain firm through January 30, 2018.
3. **Each contractor shall be responsible for all final measurements to ensure total coverage of the selected materials and areas where new carpet, vinyl flooring and cove base is to be installed. Carpet shall be totally glued 360 degrees to the sub-floor. Contractor must dispose of all removed carpet and debris associated with this contract.**
4. After demolition and disposal of old carpeting and before installation of the new flooring systems, the contractor shall make a careful and thorough inspection of all areas where new

flooring systems are to be installed and submit in writing, with additional pricing (if any), recommendations for floor preparations and repairs. Any old glue must be completely removed or neutralized as per the manufacturer's recommendations to ensure proper bonding of the new materials. Authorized City personnel must inspect all surface preparations prior to the installation of the new flooring systems.

5. New carpet shall be Shaw, Broadloom, Change in Attitude, epbl-jo130, Be Happy #12918, 26 oz. (Attachment #1). Adhesive shall be Shaw 3600 (Attachment #2) and all seams shall be sealed using Shaw 8300 Seam Sealer (Attachment #3). Where carpet is to be installed over vinyl coated tiles (VCT), Shaw PH Blocker/Floor Primer 9050 (Attachment #4) shall be applied to existing tile surface as per the manufacturer's recommendations and/or specifications.

Note, the City of Staunton will strip all wax and remove any oil or grease from the existing VCT prior to the start of the project. It will be the contractor's responsibility to broom clean any remaining dust, dirt or loose particles prior to application of the primer product

6. New vinyl flooring shall be Armstrong, Luxe Plank with Rigid Core Technology, Piazza Travertine Dovetail, ARMAA6403461, 12x24 tiles (Attachment #5).
7. All vinyl cove base and transitions installed on this contract and used to transition carpet or vinyl flooring to wall surfaces for both City Hall and the Sheriff's Office shall be Johnsonite #48 Gray WG.
8. Areas to receive new flooring are as follows:
 - City Hall, 2nd Floor, School Board Office, 116 West Beverley Street - approximately 6,690 sq. ft. of carpet, 270 sq. ft. of Armstrong Luxe Plank vinyl flooring in break room and 1,000 linear feet of vinyl cove base.
 - Cochran Judicial Center, 1st Floor Sheriff's Office, 113 East Beverley Street - approximately 1,100 sq. ft. of carpet, 46 sq. ft. of Armstrong Luxe Plank vinyl flooring in back hall around sink area and 450 linear ft. of vinyl cove base.

General Conditions:

1. Contractor shall provide, with their bid submission, a listing of previous clients that may be contacted as a reference. The contractor must have a minimum experience of three (3) projects of similar size and complexity that have been completed within the last two (2) years. Include customer name, project description and telephone number.
2. Contractor shall provide all warranties including material defects, appearance, workmanship and performance. Warranties must be of industry standards but not less than one (1) year and will not commence until the City has given the successful bidder written acceptance of the product and its installation.
3. The contractor shall specify environmental requirements, if any, which the City will need to meet prior to starting the work, e.g., power, water or space needs, etc.
4. During the course of the work, the contractor shall cause as little inconvenience as possible to the public, City employees or scheduled activities within the building, and will maintain the work site free from any conditions that may result in danger or nuisance to the public, City employees or their daily work schedule.
5. A building permit is not required. However, the contractor shall obtain a business license from the City of Staunton Commissioners of Revenue's Office, located at 116 West Beverley Street prior to beginning work.
6. Appropriate City personnel will make payment for all completed work only after final approval and acceptance of the work completed.
7. A tax-exempt certificate will be provided to the successful contractor upon request.
8. **Insurance** - Contractor agrees to provide the City of Staunton a copy of their General Liability, Vehicle Liability, and Worker's Compensation Insurance prior to beginning work. Insurance shall be in amounts not less than \$1,000,000, \$500,000, and \$500,000 respectively or such other insurance as is satisfactory and may be approved by the City. Insurance shall be written by companies licensed to do business in the Commonwealth of Virginia and **shall list the City as an additional insured.**
9. **Hold Harmless:** The Contractor shall indemnify, defend and hold harmless the City, its members of Council, officers, directors, agent and employees, against any and all claims, liabilities, losses, damages, costs and expenses (including reasonable attorney fees) arising out of, or resulting from any and all injuries to persons or damage to property arising out of services performed hereunder or by reason of the intentional or negligence acts or omissions of the Contractor, its employees, agents or sub-consultants, including any independent contractors. The provisions of this section of the Agreement shall survive the completion, termination or expiration of the Agreement.
10. **Drug Free Workplace:** During the performance of this contract, the contractor agrees to (i) provide a drug-free workplace for the contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement

notifying employees that the unlawful manufacture, sale, distribution, possession, or use of a controlled substance or marijuana is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the contractor that the contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000.00, so that the provisions will be binding upon each subcontractor or vendor.

11. Non-Discrimination

a. During the performance of this contract, the contractor agrees as follows:

- i. The contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor. The contractor agrees to post in conspicuous places, available to employees and the applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
- ii. The contractor, in all solicitations or advertisements for employees placed by or on behalf of the contractor, will state that such contractor is an equal opportunity employer.
- iii. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.

b. The contractor will include the provisions of the foregoing paragraphs i, ii and iii in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

12. Immigration Reform and Control Act Of 1986 – During the performance of this contract, contractor agrees that they will not, and shall not knowingly employ an unauthorized alien as defined in the federal Immigration Reform and Control Act of 1986. (per 2.2-4311.1)

13. Forum Selection: Any action, proceeding, or claim in any way related to this agreement or the relationship between the parties shall be filed and maintained solely in the General District Court or the Circuit Court of the City of Staunton, Virginia.

14. Prompt Payment Act: Any contract awarded as a result of this bid shall incorporate the terms and conditions of Article 4 of the Virginia Public Procurement Act with respect to Prompt Payment.

15. Negotiation with Successful Bidder: The City reserves the right to negotiate contract terms with the successful contractor for items/services other than those specifically stated in this Invitation to Bid in the best interest of the City and agreed to by the

contractor in accordance with section 2.2-4318 of the Code of Virginia. Additional work of reasonable scale shall be priced consistent with proposal to allow for additions and future expansions.

16. Pursuant to Code of Virginia, §2.2-4311.2 subsection B, a bidder or offeror organized or authorized to transact business in the Commonwealth pursuant to Title 13.1 or Title 50 is required to include in its bid or proposal the identification number issued to it by the State Corporation Commission (SCC). Any bidder or offeror that is not required to be authorized to transact business in the Commonwealth as a foreign business entity under Title 13.1 or Title 50 or as otherwise required by law is required to include in its bid or proposal a statement describing why the bidder or offeror is not required to be so authorized.

ATTACHMENT #1

SHAW

SPECIFICATION DATA

Style Name:	CHANGINATTEPBL
Style Number:	J0130
Description:	GRAPHIC LOOP
Fiber Content:	100% eco*solution Q® Nylon
Tufted Weight:	26.0 ozs/yd2
Finished Pile Thickness:	0.137 in
Total Thickness:	0.307 in
Gauge:	1/8
Tufts:	10.3 per in
Primary Backing:	SYNTHETIC
Secondary Backing:	ECOWORX PERFORMANCE BROADLOOM
Total Weight:	64.44 ozs/yd2
Density:	9.93 ozs/yd 3
Twist Information:	
Width:	12 ft
Number of Colors:	12
Dye Method:	SOLUTION DYED/SPACE DYED
Coefficient of Friction:	0.75
Applications:	
Pattern Repeat:	NONE
Star Rating:	
Special Features:	

PRODUCT DATA

Flammability:

Pill Test (CPSC FF1-70):	PASS
Flooring Radiant Panel (ASTM E-648) Direct Glue:	Class I
NBS Smoke Density : ASTM-E662	
Flaming Mode:	< 450
Non-Flaming Mode:	< 450
Static:	
AATCC-134:	< 3.5 KV
Type Static Control:	PERMANENT CONDUCTIVE FIBER
FHA DATA UM44D Certification Number:	
Type:	
Class:	
Texture:	
Warranties:	
LIFETIME ECOWORX PERFORMANCE BROADLOOM	
ECO SOLUTION Q STAIN WARRANTY	
CRI Certification:	59269968
Green Label Plus:	GLP9968
TARR Rating: 3.50	
Green Lable Plus:	GLP9968
Recommended Traffic Class:	SEVERE

STOCK COLORS

12109 - GET A GRIP
12205 - LIGHTEN UP
12313 - GAME UP
12314 - LAID BACK
12317 - SHAPE UP
12415 - NO WORRIES
12516 - TAKE ACTION
12608 - CHILL OUT
12706 - PLAY IT COOL
12710 - ADRENALINE RUSH
12807 - POSITIVE THINKING
12918 - BE HAPPY

Except where noted as a minimum or maximum, the above specifications are nominal and, therefore, are subject to change and to normal manufacturing variance.

J0130

Shaw 3600 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 Shaw 3600 not covered within this document, contact Philadelphia Queen at 1.800.241.4692 or at www.phillyqueencommercial.com. For installation assistance please contact Shaw Commercial Installation Services at 1.800.471.7429.

Shaw 3600 with Florsept is an extremely high-solids, high-strength and fast-grabbing carpet adhesive. Shaw 3600 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.	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 (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 us at 1.877.502.7429.

INSTALLATION INSTRUCTIONS

For more detailed instructions, refer to Shaw's Installation Guidelines and the CRI Installation Standard. The substrate must be structurally sound, solid, stable, level, even, flat, smooth and dry.

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 F-1869 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 m ² /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 m ² /3.79 Liters

*For antimicrobial effectiveness, you must use the specified trowel and application rate for 3600.

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).

102013

Shaw 8300 Specification

MOISTURE IMPERVIOUS CARPET SEAM SEALER

Any variance from these procedures will become the responsibility of the installer and 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 requires the use of seam sealer on all carpet products with the exception of carpet tile. Shaw 8300 is a polymer fortified, non-flammable seam sealer recommended for sealing cut edges of carpet to prevent raveling, and provides a moisture impervious seam when applied properly.

FEATURES AND BENEFITS

- Applies easily with applicator tip
- CRI Green Label Plus certified and SCAQMD compliant
- Moisture Impervious - Passing 10,000 Impact Test (when applied properly)

Weight	Pallet Qty.	Pallet Weight
(12) 8oz. / 8.5 lbs.	100 Cases	900 lbs.

Laboratory Tests	Results
Polymer type	Latex polymer
Percent solids	50-52%
VOCs Rule #1168 of California's SCAQMD	6 g/L
Roll-ability	Easy
Density	8-9 lbs.
Consistency	Paste
Color	White, dries clear
Tracer	UV fluorescent
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)	N/A
Protect from traffic	30 minutes

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

- Certified by Carpet & Rug Institute Green Label Plus GLP 59126
- Meets Requirements of California South Coast Air Quality Management District SCAQMD 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.

APPROXIMATE PRODUCT COVERAGES

Coverages shown are for estimating purposes only. Actual jobsite coverages may vary according to applicator tip size and application.

Application	Coverage
1/8" bead	550–600 lf

APPLICATION

Prepare carpet according to Shaw's Installation Guidelines. Apply a bead of seam sealer along the carpet primary backing on one side of the carpet using the applicator tip provided with the bottle. Complete the seam by butting both sections of the carpet together while the seam sealer is still wet (within 5 to 10 minutes)

CLEAN UP

To remove smears of seam sealer from the carpet surface within 10 minutes use a clean cloth wet with soapy water. Do not apply soapy water directly on carpet. Clean with mineral spirits once dried. Use caution with mineral spirits, which may be harmful to some materials.

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Shaw 9050 Specification

PH BLOCKER/FLOOR PRIMER

Any variance from these procedures will become the responsibility of the installer and not the manufacturer. See Shaw's 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 9050 is an acrylic solution made to neutralize excess alkali. Shaw 9050 is also recommended as a primer coat on porous concrete above, on or below grade, light weight concrete, over floor patch and other porous surfaces to prevent over absorption of adhesive and to ensure a better bond. Shaw's requirements for pH should range between 5 and 9.

FEATURES AND BENEFITS

- Applies easily with roller, garden sprayer, airless rig or regular paint spray equipment
- CRI Green Label Plus certified and SCAQMD compliant

Weight	Pallet Qty.	Pallet Weight
37 lbs. (4 gal)	48	1826 lbs.

Laboratory Tests	Results
Polymer type	Acrylic emulsion
Percent solids	22-26%
VOCs Rule #1168 of California's SCAQMD	<1 g/L
Trowel ability	Easy
Density	8.0-8.4 lbs /gal (3.6-3.8 kg)
Consistency	Liquid
Color	Off White, dries clear
Odor	Mild
Shelf life	1 year when stored in original packaging at 73° F (23°C)
Storage conditions	65°F-95°F (18°C-35°C)
Flash point (ASTM D56)	N/A
Protect from traffic	30 minutes

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

- Certified by Carpet & Rug Institute Green Label Plus GLP 02136
- Meets Requirements of California South Coast Air Quality Management District SCAQMD 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 PRIMER

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 (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, dry, solid and stable. Substrate should be clean and free of dust, dirt, oil, wax, grease, paint, curing agents, curing compounds, fire retardant chemicals, concrete sealers, loose particles and any other foreign substance or condition that may prevent or reduce adhesion. All surfaces must be level, even, flat and smooth.

Suitable substrates are:

- Exterior-grade plywood, Group 1, CC type
- Other approved wood underlayments (per manufacturer recommendations)
- Concrete and properly prepared terrazzo
- Cement-based self-leveling underlayments and patching compounds
- 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)
- Properly prepared and primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength

3. DETERMINE DRY TIME

Drying time is the time required for the coating to dry to a tack free state. Dry time may vary based on temperature, humidity, substrate porosity, roller size and general jobsite conditions.

Application Characteristics over Substrates	
Flooring Type	Drying Time
All Subfloors	30 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	Roller	Coverage
Concrete	Medium nap roller 3/16" - 3/8" nap or brush	350-500 sf/gal (6.6 m ² /L)

5. APPLY PRIMER

Apply generously to substrate using a medium nap paint roller. For large jobs, Shaw 9050 may be applied with a garden sprayer, airless rig or regular paint spray equipment. Allow a minimum of 30 minutes dry time before installing flooring. When using to neutralize excess alkali, test the pH after the first application and if the pH remains above 9 apply a second coat and retest pH level.

6. CLEAN UP

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

LIMITATIONS

- This is not intended as final floor covering.
- Use for interior installations only.
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C).

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Luxe with Rigid Core Technology LVT Product Information

Product Information

Product Information

Gauge:	0.3150" (8 mm) Overall Thickness 20 mil (0.020") Wearlayer Thickness
Size:	12"x24" (2 sqft/pc) 6"x48" (2 sqft/pc) 7"x48" (2 sqft/pc)
Use:	Residential, Commercial
Shipping Weight:	12"x24" - 47 lbs/carton 6"x48" - 46 lbs/carton 7"x48" - 48 lbs/carton
Gloss:	Full Matte/Semi Matte
Packaging:	12"x24" - 14 pcs/ctn; 28.03 sq ft/ctn; 32 ctns/pallet 6"x48" - 14 pcs/ctn; 27.39 sq ft/ctn; 40 ctns/pallet 7"x48" - 12 pcs/ctn; 28.5 sq ft/ctn; 40 ctns/pallet

Warranty

Warranty [30- Year Limited Residential Warranty](#)
[10- Year Limited Commercial Warranty](#)

Precautions and Warnings

Considerations

Product Attributes

Product Attributes

- UV Acrylic Finish, scratch, stain and wear resistant.
- Waterproof - Perfect for high moisture area such as bathrooms, kitchens and basements
- Numerous color and design options providing a perfect floor for any style or decor.
- Dimensionally Stable - No acclimation required
- Same dyelot not required within an installation.
- Cork backing reduces sound transmission
- Cartons may be double- stacked while being stored.
- 6 Unique Plank Visuals per Pattern
- Machined Bevel

LEED / Environmental

LEED / Environmental [FloorScore Certified](#)
[Armstrong Flooring Sustainability](#)
[On & On Floor Recycling Program](#)

Technical Information

Technical Information **Manufacturing Location:** Non-domestic

FIRE TEST DATA:

[ASTM E 648 Critical Radiant Flux](#)- 0.45 watts/sq. cm. or more - Class I

[ASTM E 662 Smoke](#)- 450 or less

Numerical flammability ratings alone may not define the performance of the product under actual fire conditions. These ratings are provided only for use in the selection of products to meet the specified limits.

STATIC LOAD LIMIT: ASTM F 970; 250 psi (17.6 kg/sq cm)

REFERENCE SPECIFICATION: [ASTM F 1700](#), Class III, Type B

Acoustical Information:

IIC 67 STC 62 ΔIIC NA (over 6" slab w. drop ceiling)

IIC 53 STC 49 ΔIIC 23 (over 6" slab w.o. ceiling)

IIC 50 STC 51 ΔIIC 18 (over 8" slab w.o. ceiling)

IIC 51 STC 49 ΔIIC 21 (over 6" slab w. S-1840 w.o. ceiling)

IIC 52 STC 56 ΔIIC NA (over CA slab - lightweight concrete & S-1840 w. drop ceiling)

IIC 50 STC 56 ΔIIC NA (over CA slab - lightweight concrete w. drop ceiling)

MSDS

MSDS [Resilient Sheet Flooring Products and Resilient Tile Flooring Products MSDS](#)

Installation

Installation **Location:** All Grade Levels

System: [LUXE PLANK LVT with Rigid Core Technology Locking Installation System](#)

Fitting: All Methods

Care and Maintenance

Care and Maintenance **Maintenance Guidelines:**

[All Residential and Light Commercial Vinyl Floors](#)

Maintenance Products:

[Once 'n Done](#)

[Armstrong Multi-Surface Floor Cleaner Spray](#)

[New Beginning](#)

[Satinkeeper](#)

[Armstrong Multi-Surface Floor Finish](#)

Product Data Table

Product Data Table	Product Name	Color Name	Pattern Number	Suffix	Gloss Level	Dimensions	Multi-Purpose Trim Length 94"	Flush Stair Nose Trim Length 94"	Stair Nose Trim Length 94"	End Cap Trim Length 94"
	Lexington Slate	Sand and Sky	A6401	461	Semi Matte	12"x24"	A6701TRM	A6401FSN	A6701STR	A6401ECP
		Sahara Beige	A6402				A6702TRM	A6402FSN	A6702STR	A6402ECP
	Piazza Travertine	Dovetail	A6403				A6703TRM	A6403FSN	A6703STR	A6403ECP
	Acacia	Natural	A6407	761		6"x48"	A6707TRM	A6407FSN	A6707STR	A6407ECP
		Cinnabar	A6408				A6708TRM	A6408FSN	A6708STR	A6408ECP
	Groveland	Natural	A6409				A6709TRM	A6409FSN	A6709STR	A6409ECP

Tioga Timber	Java	A6410				A6710TRM	A6410FSN	A6710STR	A6410ECP
Empire Walnut	Flint Gray	A6411				A6711TRM	A6411FSN	A6711STR	A6411ECP
	Raven	A6420				A6720TRM	A6420FSN	A6720STR	A6420ECP
Tropical Oak	Natural	A6412				A6712TRM	A6412FSN	A6712STR	A6412ECP
Countryside Oak	Gunstock	A6413				A6713TRM	A6413FSN	A6713STR	A6413ECP
Limed Oak	Chateau Gray	A6414	741		7"x48"	A6714TRM	A6414FSN	A6714STR	A6414ECP
Farmhouse Plank	Rugged Brown	A6415				A6715TRM	A6415FSN	A6715STR	A6415ECP
	Natural	A6417				A6717TRM	A6417FSN	A6717STR	A6417ECP
Concrete Structures	Gotham City	A6421	761	Full Matte	6"x48"	A6721TRM	A6421FSN	A6721STR	A6421ECP
	Soho Gray	A6422				A6722TRM	A6422FSN	A6722STR	A6422ECP
Primitive Forest	Falcon	A6423				A6723TRM	A6423FSN	A6723STR	A6423ECP
	Crimson Ash	A6424				A6724TRM	A6424FSN	A6724STR	A6424ECP
Orchard Plank	Blonde	A6425				A6725TRM	A6425FSN	A6725STR	A6425ECP