

Shaw 5100	Carpet Tile Adhesive
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DESCRIPTION

Shaw 5100 is a premium, acrylic based pressure sensitive adhesive for the installation of Shaw Carpet tile or non-vinyl backed carpet tile.

APPROVED SUBSTRATES

- For interior use only.
- Wood Association approved wood underlayment and subflooring. See [Wood Substrate Information](#)
- Sound and properly prepared concrete (on, above or below grade), metal, wood, fiberglass and terrazzo.
- Existing products should be over 1 year old, secure and fully adhered with a full spread of adhesive. Remove all waxes and polishes from the existing floor before installation.

SUBSTRATE TESTING

- RH-95% (ASTM F-2170), provided the site is absent of hydrostatic pressure.
 - CaCl / MVER 10 lbs (ASTM F-1869)
 - pH-5-11 (ASTM F-710)
- Shaw recognizes the RH test as the qualifying standard.
- For older slabs or slabs with a prior history of moisture related issues, Shaw Technical Support recommends moisture mitigation in the form of a 2-part epoxy system, such as MoistureTEK.
- For newer slabs with an intact moisture retarder, initial moisture levels should recede over time. For recorded levels above 95%, higher moisture resistant adhesives are recommended

SUBSTRATE PREPARATION

- Substrate must be structurally sound, clean, level and dry.
- Substrate must be free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, adhesives, loosely bonded toppings, loose particles and any other substance or condition that may prevent or reduce adhesion.
- Do not use over substrates containing asbestos or active cutback.
- Fill depressions or cracks with a cementitious patching / leveling compound that meet or exceed Shaw Industries maximum moisture level and pH requirements. Use of gypsum-based patching and/or leveling compounds which contain Portland or high alumina cement and meet or exceed the compressive strength of 3,000 psi are acceptable.
- Installation site must be acclimated with HVAC in operation or the temperature must be controlled between 65-95°F (18-35°C) and the ambient relative humidity controlled between 30-65% before, during and permanently after the installation.
- Do not use over chemically abated substrates.

APPLICATION INSTRUCTIONS

Read and follow the product specific installation guidelines for layout, design and any special instructions for installation.

- Spread adhesive using the recommended trowel or roller.
- Spread adhesive evenly over substrate, keeping the trowel at a 45° angle to the substrate.

	Porous	Non-Porous	
Flash Time	15 minutes	30 minutes	The waiting time required before installing floor covering.
Working Time	8-hours	8-hours	The window of time for the adhesive to accept floor covering.
Note:	Coverage rate, flash time and working time may vary based on temperature, humidity, substrate porosity, jobsite conditions and application practices. Areas with lower than normal relative humidity will result in a reduced working time.		

After installation, roll floor covering with a 75 – 100 lb. roller.
Areas with lower than normal relative humidity will result in a reduced working time.
 For releasable installations, allow the adhesive to become clear and tacky with no transfer.
 For permanent bond installations, install carpet tile into semi-wet adhesive.

RECOMMENDED TOOLS AND SPREAD RATES

1/16" x 1/32" x 5/64" U-notch trowel (1.6 x 0.8 x 2 mm)	28 – 33 yd ² /gallon 250 – 300 ft ² /gallon
3/8" foam or medium nap roller	35 – 40 yd ² /gallon 300 – 350 ft ² /gallon
spray - applied	Ensure that spray patterns overlap by 1/3 (400 ft ² /gallon)

Note: Coverages are estimates only. Actual jobsite coverages may vary according to substrate conditions, type of trowel used and setting practices. Trowel dimensions are depth/width/space.

PRODUCT CHARACTERISTICS

Weight	39 lbs / 4 gallon
Pallet Quantity	48
Pallet Weight	2083 lbs
Polymer Type	Acrylic
Percent Solids	40 - 60%
VOC's (Rule #1168 of California SCAQMD)	19 g/L
Color	Off-White
Tracer	None
Shelf Life	1 year from manufacturing date, in an unopened container.
Storage Conditions	65°F to 95°F (18°C to 35°C) Protect from freezing.
Flash point (ASTM D56)	>212°F / 100°C
Cleaning Instructions	Use warm soapy water while adhesive is still wet. For dried adhesive-removal contact Shaw Technical Support 1.800.471.7429.
Traffic	Light Traffic – 24 hours Heavy / Rolling Load Traffic – 72 hours

ENVIRONMENTAL

- California South Coast Air Quality Management District Rule 1168
- California Department of Public Health Section 01350
- CRI Green Label Plus Certified #15400
- C2C Silver Certified

LEED IEQ Credit Information (2009 and V4)

Credit Requirement	Status	Comment
Meets General Emissions Evaluation Criteria	Complies	CRI Green Label Plus (GLP) #15400
Meet SCAQMD Rule 1168 VOC Limits	Complies	VOC Content < 50 g/L

WARRANTY

This product is covered by a 10 year limited warranty. For more detailed information on this limited warranty, please see contact information at the bottom of this page.