SHAW 5000 / 5001 / 5036 SPECIFICATION

ADHESIVE FOR SHAW CARPET TILE

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

HIGH MOISTURE PSA PRESSURE SENSITIVE CARPET ADHESIVE

Shaw 5000, 5001 and 5036 (with Florsept) offers an enhanced formulation that is designed for installation over concrete with 95% RH or less (absent of hydrostatic pressure). Shaw 5000 is a high quality, high strength, pressure sensitive adhesive used for the installation of Shaw’s or non-vinyl backed carpet tiles. Shaw 5000 can be applied by roller or trowel depending on installation requirements. For additional installation information reference Shaw Industries Installation Guidelines or contact Shaw Technical Support at 1.800.471.7429.

FEATURES AND BENEFITS

- Low VOC / Odor for use in occupied building
- Contributes to LEED® Project Points
- Mildew resistant and non-staining
- Fast Dry
- Superior Tack
- CRI Green Label Plus certified and AQMD compliant
- Shaw 5036 meets AATCC 174

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight</th>
<th>Pallet Qty.</th>
<th>Pallet Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>5000 / 5036</td>
<td>35 lbs. (4 gal)</td>
<td>48</td>
<td>1730 lbs.</td>
</tr>
<tr>
<td>5001</td>
<td>8.75 lbs. (1gal)</td>
<td>180</td>
<td>1625 lbs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Laboratory Tests</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer Type</td>
<td>Acrylic polymer</td>
</tr>
<tr>
<td>Percent solids</td>
<td>40–60%</td>
</tr>
<tr>
<td>VOCs Rule #1168 of California’s SCAQMD</td>
<td>&lt;15 g/L</td>
</tr>
<tr>
<td>Trowelability</td>
<td>Light</td>
</tr>
</tbody>
</table>
### Laboratory Tests | Results
--- | ---
Density | 8.3 lbs/U.S. gal (3.77 kg/3.79 L),(+/- 0.8) 1.0 g/mL(+/-0.1)
Consistency | Creamy
Color | Off -White
Tracer | Red Hexagon
Shelf life | Maximum 18 months from date of manufacture in properly stored, unopened package.
Storage conditions | Protect from freezing. Store in a cool, dry location. Do not store open containers.
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 #60111

**LEED IEQ CREDIT INFORMATION (2009 AND V4)**

<table>
<thead>
<tr>
<th>Credit Requirement</th>
<th>Status</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meet General Emissions Evaluation Criteria</td>
<td>Complies</td>
<td>CRI Green Label Plus (GLP 60111)</td>
</tr>
<tr>
<td>Meet SCAQMD Rule 1168 VOC Limits</td>
<td>Complies</td>
<td>VOC Content &lt; 50g/L</td>
</tr>
</tbody>
</table>

**10 YEAR WARRANTY**

This product is covered by a 10-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 Industries Installation Guidelines and the CRI Installation Standard. The substrate must be structurally sound, clean, dry, smooth and level. 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 vapor emission rate requirements.

- **Moisture**: Conduct Relative Humidity testing; results must be below 95% (ASTM F2170). In addition, concrete substrate moisture must be tested by the current version of ASTM F1869 anhydrous calcium chloride test. Substrate moisture vapor emissions cannot exceed 10.0 lbs. per 1000 square feet per 24 hours (4.54 kg / 92.9m²/ 24 hours). For concrete with a prior history of uncorrected moisture conditions or problems, involving higher moisture levels, treat the concrete with a moisture mitigation product, prior to adhesive application.

- **pH**: Testing should be performed with results ranging between 5.0 and 11.0 (ASTM F710). Take corrective measures if the results exceed these limits.

This product is for interior installation only.

2. PREPARE THE FLOOR

The substrate must be structurally sound, clean, dry, smooth, solid and stable.

- All substrates must be completely free of dust and dirt, paint, oil, curing or release agents, unapproved sealers or existing adhesives, or anything that would interfere with the adhesive making a good bond directly to the substrate. Refer to substrate preparation guidelines per current CRI 104.

- Use only mechanical means to remove existing adhesives, then finish removal by sanding, grinding, or blasting until the bare concrete surface is exposed. Do not utilize solvents or chemical cleaners on the substrate.

- 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.

Suitable substrates are:

- Concrete above or on-grade (remove sealers, existing adhesives and curing compounds from the subfloor surface)
- Wood certified underlayments
- VCT or ground terrazzo
- Vinyl floor coverings (over 1 year old and adhered with a full spread of adhesive).
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

<table>
<thead>
<tr>
<th>Flooring Type</th>
<th>Flash</th>
<th>Working Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shaw Carpet Tile</td>
<td>Semi-wet (permanent bond); 30 min or until dry / pressure sensitive</td>
<td>15 min. (permanent bond); 8 hours (pressure sensitive)</td>
</tr>
</tbody>
</table>

### Non-porous Substrates

<table>
<thead>
<tr>
<th>Flooring type</th>
<th>Flash</th>
<th>Working Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shaw Carpet Tile</td>
<td>30 minutes or until dry (pressure-sensitive)</td>
<td>8 hours (pressure sensitive). Can be left overnight.</td>
</tr>
</tbody>
</table>

4. **DETERMINE COVERAGE / 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

<table>
<thead>
<tr>
<th>Flooring Type</th>
<th>Application Method</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shaw Carpet Tile (5036 antimicrobial effectiveness require the specified methods/coverage)</td>
<td>1/16&quot; x 1/32&quot; x 5/64&quot; U – Notch (1.6 mm x 0.8 mm x 2 mm)</td>
<td>28-33 yd2/U.S. gal (250–300 ft2/gal)</td>
</tr>
<tr>
<td></td>
<td>3/8&quot; 1.0 mm ) foam or medium nap roller</td>
<td>35–40 yd2/U.S. gal (300-350 ft2/gal)</td>
</tr>
</tbody>
</table>

5. **APPLY ADHESIVE**

Apply adhesive with recommended trowel or roller. For releasable applications, wait until the applied adhesive has become clear and tacky with no transfer (adhesive open time will vary depending on temperature, humidity, substrate porosity and jobsite conditions). For permanent set applications, install the product into semi-wet adhesive. Apply pressure to the entire surface of the tile to ensure adhesion.
6. ROLL THE FLOOR

Roll flooring widthwise and lengthwise with a 75 – 100 lb. (34 -45 kg) roller.

7. PROTECT FLOOR

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

8. CLEAN UP

Use warm soapy water while adhesive is still wet. Dried adhesive requires the use of safety solvent.

LIMITATIONS

- Do not use where hydrostatic pressure, excessive moisture or alkali is present.
- New concrete should be allowed to cure a minimum of 60-90 days prior to installation.
- Do not use when temperature is below 60°F (16°C).
- Freeze/thaw stable to 10°F (-12°C) for a minimum of 5 cycles. If frozen, slowly bring to room temperature and stir before using.
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°F).