

# Inside Out

## Specification / MSDS

### Technical Data Sheet

#### Shaw 6300

##### **DESCRIPTION: 6300 UNIVERSAL INDOOR-OUTDOOR CARPET ADHESIVE**

Shaw 6300 is a solvent-free, high solid, resin-rubber based, universal indoor-outdoor carpet adhesive. This high solids formula has been especially designed for exterior installations of Shaw's Indoor-Outdoor and turf products, as well as interior applications of Shaw's commercial carpet backings. (Exception – products that require pattern matching and the indoor application of modular products.) Shaw 6300 is highly water resistant which makes it an excellent choice for applications of indoor-outdoor carpeting over patios, porches, sidewalks, and decks. This solvent-free formula is much safer to use than old style flammable outdoor formulas that pose a health risk from fumes or flash back fires.

For interior applications Shaw 6300, offers a high solids fast grabbing ultra premium adhesive that will save installation time, because this product in most cases requires little or no flash time. Shaw 6300 allows for installation of Shaw commercial carpeting (in the absence of hydrostatic pressure) over concrete slabs with moisture vapor emissions of up to 8.0 pounds without additional moisture vapor remediation, moisture testing must be done utilizing Anhydrous Calcium Chloride test method.

Shaw 6300 Universal Indoor-Outdoor Carpet Adhesive is ecologically friendly, and low in VOC's, and contains a proprietary blend of fungicides and bactericides that protect the product from mold, mildew, and bacteria in both the wet and dry state.

##### **FEATURES & BENEFITS:**

- For both indoor and outdoor installation (Exception – products that require pattern matching and the indoor application of modular products.)
- Specifically formulated for use with all Shaw outdoor backing systems
- Use indoors over concrete slab with up to 8.0 pounds moisture vapor emissions without further remediation
- Solvent free, low VOC, safe indoors and outdoors; an environmentally friendly adhesive
- Extremely high solids and water resistant
- Contains antimicrobial protection per ASTM G-21
- Nonflammable and non-toxic

##### **DIRECTIONS**

###### **For Outdoor Surface Preparation:**

Site Conditions: Temperatures should be 65°F and above during installation phase, and not drop below 32°F for 48 hours. Installations should not receive drenching rain or moisture from other sources for 48 hours after application. Adhesive becomes more water resistant as it cures. Areas to be covered should have good drainage. Do not use in areas that will be continually submerged in water. Surfaces to be covered must be clean, sound, relatively dry and free of dust, dirt, wax, oil or grease, concrete curing compounds, or any other foreign matter that would interfere with a good bond.

###### **Outdoor Application:**

Spread adhesive with recommended trowel. Trowel size will depend on substrate porosity, roughness, and carpet backing texture. Enough adhesive must be applied to allow for 100% transfer of adhesive to carpet backing. Lay carpeting into the adhesive while it is still wet. Do not allow adhesive to dry. Position carpet and match seams while adhesive is soft and will allow for movement. Temperature and relative humidity will affect working time. Under dry conditions with low humidity working time will be shortened. Conversely wet conditions can keep the adhesive from drying. Working time under normal conditions should be roughly 30 minutes to an hour. Seal seams and edges with seam sealer, this will help to prevent raveling in those areas, and maintain the attractive appearance of the installation. As the installation

progresses, roll carpet with a 75 pound roller. Roll again after two hours if any bubbling appears. Do not use heavy resilient rollers on these applications.

**For Indoor Surface Preparations:**

For proper results, the room, floor covering, and adhesive should be a minimum of 65°F for 24 hours before and 48 hours after installation. Area to be covered must be clean, sound, dry and free of dust, dirt, wax, oil or grease, concrete curing compounds, and any other foreign matter that would interfere with a good bond. No new floor covering can correct an uneven floor. Level any high spots, and fill all cracks, holes and minor depressions with a suitable underlayment or floor patch. Otherwise, irregularities can “telegraph” through the new surface. Porous surfaces should be sealed by applying a single coat of primer-sealer with a short nap paint roller and allow to dry before making final application with the recommended trowel.

**Warning!** Do not sand, abrade or demolish existing resilient tile and sheet flooring, backing or lining felt. These products may contain asbestos fibers that are not readily identifiable. Avoid creating dust. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. If old floors must be removed, consult and follow the recommended work practices of the resilient flooring manufacturers.

**Indoor Application:**

- Apply adhesive evenly to the approved and properly prepared floor utilizing recommended notch trowel. 100% contact of adhesive to carpet backing must be achieved. Use a trowel with deeper notching when necessary. (See Recommended Trowel.) Seal seams and edges of carpeting with seam sealer.
- For Porous Surfaces: This adhesive is designed for the installation of most carpeting. For maximum bond strength, lay the carpeting into the wet adhesive immediately. To achieve maximum transfer of the adhesive to the carpet backing, roll the installation with a 75 pound roller. Roll until carpet is uniformly bonded to the substrate.
- For Non-Porous Surfaces: Non-porous backings allows very little moisture to escape when installed over non-porous surfaces. Therefore, when installing carpeting over terrazzo, VCT, metal, ceramic tile or other approved sealed surfaces allow 15 minutes open time, before laying carpeting into the adhesive. Humidity can shorten or lengthen this open time period, check the adhesive, and do not allow it to completely dry. When ready, lay carpeting into adhesive and roll immediately. If seams lift or bubbles occur, roll again until carpet bonds firmly to the floor.

**PHYSICAL PROPERTIES:**

**V.O.C.:** 0 grams per litre (calculated)

**STORAGE:** Stable for 5 cycles to 10°F. DO NOT STORE OUTDOORS. If frozen thaw completely at room temperature. Determine suitability of the adhesive before attempting to complete the installation.

**COLOR:** Light beige

**VISCOSITY:** Trowelable mastic

**SHELF LIFE:** Minimum one year at 70°F

**OPEN TIME:** Up to 60 minutes

**COVERAGE:** Approximately 8 - 15 yards per gallon

**FLAMMABILITY:** Nonflammable

**PACKAGING:** 4 Gallon Pails

**RECOMMENDED TROWEL AND COVERAGE:**

1/8x1/8x1/8" U-notch – Rough-Backed and Commercial Applications; 10 square yards per gallon

1/16x1/16x1/16 U-notch – Thin Carpets, Smooth Backings, Needle-punch, etc.; 15 square yards per gallon

**LIMITATIONS:** Installations must not receive topical moisture from rain or other sources for a minimum of 48 hours. Do not use for pattern match installations or the indoor application of modular products. The fast grab characteristics of 6300 are not well suited to those applications.

**CAUTION:** May cause skin and eye irritation. Avoid contact with skin and eyes. Keep container closed. Thoroughly wash exposed area with soap and water. Eyes: flush with large amounts of water, lifting upper and lower lids occasionally; call a physician immediately. Ingestion: Do not induce vomiting. Call a physician immediately. **KEEP OUT OF REACH OF CHILDREN. [Refer to Material Safety Data Sheet (MSDS) for further information.] For emergencies 24 hours a day contact Chemtrec toll free at 800-424-9300.**

#### USE TO INSTALL:

- FOR OUTDOOR: Needlepunched indoor-outdoor, EcoWorx®, marine back, woven polypropylene, ActionBac®, sponge rubber backed, and unitary backed turfs. Do not use for vinyl/PVC, backed materials, or backing subject to plasticizer migration.
- INDOOR INSTALLATION: ActionBac®, unitary, unitary action back, urethane foam with attached scrim, urethane laminate, woven and most synthetics. Do not use for vinyl / PVC, backed materials, or backing subject to plasticizer migration. Do not use for pattern match or modular product installations. The fast grab characteristics of 6300 are not well suited to those applications.

#### RECOMMENDED SUBSTRATES:

- FOR OUTDOOR INSTALLATIONS – Concrete, cured asphalt paving and other clean sound paving surfaces. Aluminum and fiberglass that is clean, and has been rough sanded to remove oxidation, and give a better mechanical bonding surface. Exterior or marine grade plywood decking which is firm and has not deteriorated. (Do not use over asphalt roofing, pressure treated lumber or board decking.) Substrates that have been stained, painted, sealed or otherwise coated must be tested to assure compatibility with the adhesive. This adhesive is manufactured for specific installations. For any installation not listed here, or recommended here, whether subsurface or material to be installed, contact APAC toll free at 800-747-2722.
- FOR INDOOR – porous & non-porous surface, concrete (in the absence of high alkali, hydrostatic pressure or excess moisture), VCT, terrazzo, self-leveling compound and gypcrete. Gypcrete must be sealed with a primer or sealer before installation

#### CLEAN UP

Wet adhesive should be removed immediately with soapy water and a damp cloth. Dried adhesive may be cleaned with a soft white cloth, and mineral spirits. Be careful. Mineral spirits can be harmful to certain floor coverings and may ruin the bond of this adhesive if it gets under the floor covering. **Mineral spirits are flammable. Vapors are harmful and can explode violently and cause flash fires.** These vapors will concentrate in low lying areas. Use with adequate ventilation, and eliminate all sources of ignition. Do not smoke while using solvents. Place solvent soaked cloth outdoors out of reach of children and pets to dry before disposing of them.

#### LIMITED WARRANTY:

This product is covered by a 1-year limited warranty. For more detailed information and limitations on this limited warranty, please ask your authorized Shaw retailer, or contact Shaw at 1(800)441.7429 You may also obtain warranty information by visiting [www.shawfloors.com](http://www.shawfloors.com) or Shaw online.

07-17-2006

**Material Safety Data Sheet****IDENTITY (As shown on label):**

Shaw 6300 Universal Indoor-Outdoor Carpet Adhesive

**I. PRODUCT IDENTIFICATION**

Manufactured for: Shaw Industries, Inc.

Address: PO Drawer 2128; Dalton, GA 30722;

Phone: (800) 441-7429

Emergency Telephone CHEMTREC: 800-424-9300

Product Class: Aqueous Emulsion

Manufacturer's Code Identification: 6300

Trade Name: Universal Indoor-Outdoor Carpet Adhesive

**II. HMIS (0=minimal hazard; 4= severe)**

Health = 0 Flammability = 0 Reactivity = 0

Pers. Prot. Equip: B

**III. HAZARDOUS INGREDIENTS**

Ingredient (CAS #)	Percent:	Occ. Exp. Lmt.
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No Hazardous Ingredients

**IV. PHYSICAL DATA**

BOILING RANGE: 212°F VAPOR DENSITY: Heavier than air. EVAPORATION RATE: Slower than Ether. PERCENT VOLATILE BY VOLUME: 18% PERCENT WATER VOLUME: 18% Specific Gravity: 1.30 VOC: 0 grams per liter calculated based on no solvent added. Non-photochemically reactive.

**V. FIRE AND EXPLOSION HAZARD DATA**

FLAMMABILITY CLASSIFICATION: DOT nonflammable. OSHA: 111B. DOT: 0. FLASH POINT: n/a. LEL: none. Water based adhesive, nonflammable in wet state. Dried adhesive will burn if exposed to ignition source, or heated to temperatures above 400°F, producing carbon dioxide, carbon monoxide, thick smoke with hydrocarbons. EXTINGUISHING MEDIA: Water mist, dry chemical, carbon dioxide and foam. UNUSUAL FIRE AND EXPLOSION HAZARDS: None. SPECIAL FIRE FIGHTING PROCEDURES: None.

**VI. HEALTH HAZARD DATA**

EFFECTS OF OVEREXPOSURE: None known. PRIMARY ROUTES OF ENTRY: Inhalation and ingestion. MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known. EMERGENCY FIRST AID PROCEDURES: In case of eye contact, flush eyes with clear water for 15 minutes or until irritation subsides. See a physician.

**VII. REACTIVITY DATA**

STABILITY: Stable. HAZARDOUS POLYMERIZATION: will not occur. HAZARDOUS DECOMPOSITION PRODUCTS: None known. CONDITION TO AVOID: none known. INCOMPATIBILITY (Materials to avoid): none known.

**VIII. SPILL OR LEAK PROCEDURES**

SPILLS: Scoop material into DOT approved container. Remove to safe place where material can dry. WASTE DISPOSAL METHOD: Dispose of in accordance with local disposal regulations. Do not flush adhesive down drain.

**IX. SAFE HANDLING & USE INFORMATION**

VENTILATION: Use with adequate ventilation. Open doors and windows, and utilize other means to assure fresh air entry and exhaust. PROTECTIVE GLOVES: None required. EYE PROTECTION: Glasses to avoid splashes. OTHER

PROTECTIVE EQUIPMENT: None required. HYGIENIC PRACTICES: Wash skin with soap and water or hand cleaner.

**X. SPECIAL PRECAUTIONS**

HANDLING AND STORING: Avoid extreme heat or cold. OTHER PRECAUTIONS: Keep out of reach of children. Use only as directed on label. Close container after each use. Do not reuse container. Avoid skin and eye contact.

**XI. TRANSPORTATION DATA**

D.O.T.: Unregulated.

SHIPPING NAME: Adhesive

New Jersey right to know cas #'s: Water #7732-18-5, Processing Oil #64742-52-5, Reinforcer #1332-58-7, Extender #1317-65-3, Elastomer #9003-55-8)

Shaw Industries believes that data set forth herein is accurate as of the date hereof, and makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.

*N/A not applicable or not available*

*N/K none known or not known*