

Adhesive 5100

DESCRIPTION

A vinyl compatible, acrylic-based, floor covering adhesive specially formulated to install vinyl composition tiles, solid vinyl tile, all types of carpet tile and approved under cushion pad in a double glue down application. Can be brush, roller, spray or trowel applied. Floor covering can be installed using either the wet or dry installation method. The adhesive is colored BLUE for easy field identification.

USES

1. For the installation of vinyl composition tile, solid vinyl tile and vinyl backed carpet.
2. For the releasable installation (dry method) of carpet tile. A permanent bond will result if tile is installed into wet adhesive.
3. Consult Shaw's Technical Services Department for a list of approved cushions.

LIMITATIONS

1. For interior installations only.
2. Do not use for the installation of rubber sheet goods or rubber tile.
3. Do not use when the substrate temperature is below 50°F (10°C) or above 90°F (32°C), or when relative humidity exceeds 65%.
4. Do not apply directly over gypsum-based substrates.

RECOMMENDED SUBSTRATES

- Any wood underlayment that is recommended or guaranteed by either the wood underlayment manufacturer or the floor covering manufacturer, such as Exterior grade plywood, Group 1, CC type.
- Fully cured concrete.
- Properly prepared cement terrazzo.
- Properly prepared existing vinyl composition tile (limited to one layer).

Note: It is recommended that all concrete slabs be tested for moisture. If moisture vapor emission exceeds 5-lbs./1000 sq. ft. (1,36 kg/92,9 m²) per 24 hours, using the anhydrous calcium chloride test, this adhesive must not be used.

SETTING INSTRUCTIONS

1. SURFACE PREPARATION

SEE "SURFACE PREPARATION" SHEET.

2. MIXING

ECO 800 is ready to use. No mixing is required. Simply open the container and spread.

3. APPLICATION

Note: Shaw 5100 may brush, roller, spray or trowel applied.

3.1 Use the floor covering manufacturer's recommended notched trowels (see technical data table) or application technique.

3.2 Spread adhesive using the recommended trowel or application technique. Spread enough adhesive to ensure that at least 90% of the adhesive transfers to the flooring material backing.

Use the dry installation method in tile over tile applications and for installations requiring releasability (carpet tile). If carpet tiles are installed into fresh adhesive, a permanent bond may result.

3.3 When installing floor covering requiring a permanent bond (vinyl backed carpeting), lay the material into the adhesive while it is still fresh.

3.4 Roll flooring surface backward across width and length with the manufacturer's recommended roller, to break down adhesive ridges and to ensure removal of entrapped air.

3.5 Complete installation as per flooring manufacturer's instructions.

3.6 Promptly clean adhesive smudges from floor covering surface with water while adhesive is still fresh and with mineral spirits when dried.

3.7 Promptly wash tools and hands with water while adhesive is still fresh.

3.8 Do not wet wash floor for five days after tile installation is completed.

4. EXPANSION AND CONTROL JOINTS

4.1 Provide for expansion and control joints where specified.

4.2 Do not cover any expansion joints with adhesive.

4.3 Cut flooring material on both sides along the edges of expansion joints.

4.4 Insert the specified compressible bead and sealant for expansion and control joints, according to plans and specifications.

Technical Data

Drying time at 72°F (22°C)

50% relative humidity
used)

Up to 30 minutes (depending upon trowel

Freeze-thaw stability at 0°F (-18°C)

Stable 5 cycles

Flash point

Non-flammable

Maximum tolerance of moisture vapor
emission from the concrete slab (using

the anhydrous calcium chloride test)	5 lbs. per 1000 sq. ft. (1,36 kg/92,9 m ²) per 24 hours pH Less than 8.0
Cleanability	With water while fresh, with mineral spirits when dried.
Color	Clear with blue tint
Consistency	Semi-liquid (low-moderate viscosity)

Packaging

Pails: 1 US gal. (3,7 L); 3.96 US gal. (15 L)

Shelf Life

12 months when stored in original containers at room temperature in a dry heated area.

Approximate Coverages

Typical Recommended Trowel (depth, width, space)

PVC Only Roller Applied

PermaBac, 3/16" Nap Roller 200 – 245 sq ft/US gal

Carpet Tile (rough backing/substrate) and pad to floor:

1/16" x 1/16" x 1/16" 125 - 185 sq. ft./US gal.

(1,6 x 1,6 x 1,6 mm) (3,0 - 4,5 m²/L)

Note

Quantities shown are approximate and given for estimating purposes only. Actual job site coverages may vary according to substrate conditions, type of trowel used and setting practices.

Health and Safety

Consult the material safety data sheet for more information.

5. PROTECTION

5.1 Protect containers from freezing in transit and storage. This product is freeze/thaw stable at temperatures down to 0°F (-18°C). However, it is recommended to protect all water-based products from freezing. If frozen, do not stir until material has completely thawed.

5.2 Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

5.3 Restrict traffic for 24 hours to allow proper adhesive set-up.

NOTICE

We shall not be liable for incidental and consequential damages, as defined under the uniform commercial code, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instruction or for other than the intended use. Before using, user shall determine the suitability of the product

for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was, or reasonably should have been discovered.

Material Safety Data Sheet

IDENTITY (As shown on label):

Shaw 5100 Pressure Sensitive Floor Covering Adhesive

SECTION I

Prepared by: Regulatory Affairs

Manufacturer Name: Shaw Industries, Inc.

Address/Phone: P.O. Drawer 2128; Dalton, Ga 30722; (800)441-7429

Emergency Telephone No.: (800)535-5053

Product Class: Synthetic rubber, resin blend

Manufacturer's Code Identification: 5100

Trade Name: Pressure Sensitive Floor Covering Adhesive

SECTION II

HAZARDOUS INGREDIENTS

None per OSHA Regulation: 29 CFR 1910.1200

FOR CALIFORNIA: THIS PRODUCT CONTAINS NO CHEMICALS REPORTABLE UNDER PROPOSITION 65.

HMIS (Hazardous Materials Identification System) Rating: Health - 1 Fire - 0

Reactivity - 0 Protection - B

SECTION III

PHYSICAL DATA

Boiling Point: 212°F

Evaporation Rate: Same as water

Vapor Density: 1.14

Vapor Pressure: Same as water

Color: White

Odor: Latex

Grams V.O.C. per liter of material: 0 (calculated)

Grams V.O.C. per liter of coating: 0 (calculated)

SECTION IV

FIRE & EXPLOSION HAZARD DATA

Dot Category: N/A

Flash Point: >212°F

LEL: N/A

Extinguishing Media: Product will not burn until all water content has evaporated.
Water spray, carbon dioxide, dry chemical or foam.

Unusual Fire & Explosion Hazards: Some decomposition products may be harmful.

Special Fire Fighting Procedures: Wear standard fire fighting gear with self-contained breathing apparatus.

SECTION V

HEALTH HAZARD DATA SYMPTOMS OF OVER EXPOSURE

ROUTES OF ENTRY: Inhalation? YES Skin? YES Ingestion? YES

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: Inhalation or contact can cause irritation to eyes, skin, nose or throat to sensitive people. If ingested can cause nausea, vomiting, griping, and diarrhea.

Chronic: None known.

CARCINOGENICITY: NTP - NO IARC - NO OSHA – NO

Signs and Symptoms of Overexposure Nausea; vomiting; nose and throat irritation; eye irritation; and skin irritation.

Medical Conditions That Can Be Aggravated by Exposure Respiratory and skin disorders.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Remove to fresh air. If not breathing, trained personnel should initiate artificial respirations and immediate medical attention should be obtained.

Ingestion: Do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.

Skin: Avoid contact with skin. Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, seek immediate medical attention.

Eyes: Flush with cool water for 15 minutes while holding eyelid open. If irritation persists, seek medical attention immediately.

SECTION VI

REACTIVITY DATA

Stability: Stable

Conditions to avoid: None known

Incompatibility-Materials to Avoid: None known

Hazardous decomposition products: None known

Hazardous polymerization: Will not occur

SECTION VII**SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED.**

While using appropriate protective equipment, place spilled material in poly drum, or container requirement by local disposal company, and store in a safe place till material can be disposed of in accordance with regulations.

Waste Disposal Method Dispose of in accordance with local, state, and federal regulations governing your location.

Precautions to be taken during Handling and Storage Keep container closed when not in use. Store at 60-95°F and out of the sun. Use adequate ventilation to avoid breathing vapors when cover is removed.

Other Precautions Avoid prolonged skin contact.

SECTION VIII**SPECIAL PROTECTION INFORMATION**

Respiratory Protection: If workplace exposure limit of product is exceeded, a NIOSH/MSHA approved air supplied respirator is required in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

Eyes: Goggles

Ventilation: Local exhaust

Protective Gloves: Impervious. (Nitrile, rubber, or better)

Other Protective Equipment: As needed to minimize contact with skin.

WORK AND HYGIENE PRACTICE Remove contaminated clothing immediately. Wash hands, after each use and before eating, drinking, or using toiletries. Minimize contact of product on skins.