



# Advanced Adhesive Technologies, Inc.

## AAT-272 Super Premium Sheet Vinyl Adhesive

### Specification Sheet

#### Description:

AAT-272 is specially formulated water-based adhesive designed not only for the installation of paper and felt backed sheet vinyl but also pure vinyl sheet goods intended for full-spread installations. This unique adhesive will not stain or discolor resilient floors and eliminates the need to inventory several different adhesives for various types of sheet vinyls from a variety of manufacturers. AAT-272 can also be used to install linoleum, vinyl or rubber tiles. This Super-Premium product provides adequate “slip time” and greatly reduces the “gassing” tendency common with most adhesives when installing over non-porous substrates. The AAT-272 is backed by a Seven Year Limited Warranty. This zero VOC adhesive is protected by the CleanGuard® two-stage antimicrobial. CleanGuard® is a specifically formulated broad-spectrum, anti-microbial agent that protects our adhesives and sealers from microorganisms, such as mold or mildew, in both the wet and dry state

#### Uses:

AAT-272 Super Premium Sheet Vinyl Adhesive is recommended for the following installations:

- Resilient Products
  - Paper and Felt backed sheet goods
  - Pure vinyl sheet goods (Full Spread)
  - Linoleum
  - Vinyl Composition Tile (VCT)
  - Pure Vinyl Tile
  - Rubber Tile
- Carpet
  - While this adhesive is specifically designed for the installation of resilient products it can be used to install virtually any carpet regardless of backing type.

**NOTE:** . Not intended for use with fiberglass backed sheet goods.

- Sub-floors must be flat and structurally sound. All concrete curing agents, paints, varnishes, oils, waxes, finishes and any other bond inhibiting substances must be removed. Smooth or glazed surfaces must be abraded. Repair all joints and cracks with latex-based portland cement underlayments
  - APA rated, underlayment grade plywood
  - Concrete-on, above or below grade in the absence of excessive moisture and alkali max. moisture emission rate of 3lbs/1000 sq ft. /24 hours [ASTM F1869], a pH of 7.0- 9.0 [ASTM F710], and max. RH of 75% [ASTM F2170].
  - Existing well bonded resilient floors (heavily embossed and/or rotogravure floors should be properly prepared with an embossing leveler.)
  - Terrazzo
  - Properly prepared gypsum cement

**NOTE:** Particleboard is **not** a recommended underlayment. Strip or plank wood flooring and OSB sub-floors should be covered with an approved underlayment (minimum thickness of ¼”). Before beginning installations with flooring types or over sub-floors not listed contact AAT Technical Services for recommendations.



#### III. Specific Technical Data:

- A. Base: Special Latex-resin emulsion
- B. Color: Light Tan
- C. Shelf Life: One year from date of manufacture in an unopened container
- D. Flammability: Non-flammable
- E. Freeze/thaw stable: (Stability and spreadability can be altered if allowed to freeze.) If frozen allow the adhesive to thaw at room temperature. Do not stir or agitate the adhesive while it is frozen.
- F. Recommended trowel and approximate coverage (Depth x Width x Space)
 

<u>Porous Sub-floors</u>	<u>Non-Porous Sub-floors</u>
1/16” x 1/16” x 1/16” □-notch	1/32” x 1/16” x 1/32” U notch
125-150 sq. ft/gal	180-250 sq. ft/gal
- G. Clean-up: Remove wet adhesive with wet cloth. Use AAT-197 adhesive cleaning solvent for dry adhesive
- H. VOCs: 0 g/l (Calculated per Ca. Rule 1168), CRI GLP
- I. Sizes: 4 gal, cs/gal, and cs/qts
- J. Open time: Slip-20 min. plus, Tack-30 min., Bond-24 hours

# MATERIAL SAFETY DATA SHEET

## NPCA HMIS

H = 1  
F = 0  
R = 0

Date: 04/05/04 (replaces 06/04/95)

Prepared by: Greg Wood

## SECTION I

**Manufacturer's Name:** Advanced Adhesive Technologies, Inc.  
**Street Address:** 424 S. Spencer St. Dalton, GA. 30720  
**Emergency Telephone No.:** (706) 226-0610 or (706) 295-3728 or (706) 629-1423  
**Product Class:** Resilient Adhesive  
**Manufacturer's Code Identification:** AAT-272  
**Trade Name:** Super-Premium Resilient Sheet Vinyl AD-Hesive

## SECTION II — HAZARDOUS INGREDIENTS

None

## SECTION III — PHYSICAL DATA

**Boiling Range:** Greater than 212° F  
**Vapor Density:** Lighter than Air  
**Evaporation Rate:** Slower than Ether  
**Percent Volatile by Volume:** 32% - ± 2%  
**Weight per Gallon:** 10 ± 0.5lbs  
**VOC Emission:** 0 g/l (calculated per Ca. South Coast Rule 1168)

## SECTION IV — PHYSICAL DATA

**DOT Category:** Nonflammable  
**Flash Point:** N/A  
**LEL:** Not Known  
**Extinguishing Media:** Water mist, dry chemical, CO2, mechanical foam  
**Unusual Fire and Fighting Hazards:** Liquid adhesive will not ignite. Dried adhesive will ignite if heated over 150°C and or exposed to ignition source, producing CO, CO2, smoke and hydrocarbons.  
**Special Fire Fighting Procedures:** If dried adhesive ignites, use dry chemical, foam extinguishers, or a fog nozzle. For small fires, CO2 extinguishers can be used. Use air mask when combating dried adhesive fires.

## SECTION V — HEALTH HAZARD DATA

**Threshold Limit Value:** Non-established  
**Effects of overexposure:** Wet-possible lightheadedness, nausea, and/or mild dermatitis could develop. Dry-None.  
**Emergency and First Aid Procedures:** Flush eyes with ample water. Wash skin with soap and water. If ingested, treat symptomatically and contact physician.

## SECTION VI — REACTIVITY DATA

**Stability:** Stable  
**Incompatibility:** (Materials to avoid)  
**Conditions to avoid:** Closed area with open container  
**Hazardous Decomposition Products:** None  
**Hazardous Polymerization:** Will not occur  
**Conditions to avoid:** Strong acids or oxidants, temperatures below 20°F

## SECTION VII — SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled:** Scoop up excess with shovel, wash remainder with water.  
**Waste Disposal Method:** Landfill or incinerate as per local and state regulations.

## SECTION VIII — SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** None required with adequate ventilation.  
**Ventilation:** Open windows, exhaust fan, open air area  
**Protective Gloves:** May be desirable for people with sensitive skin.  
**Eye Protection:** Safety glasses or goggles.  
**Other Protective Equipment:** None required

## SECTION IX — SPECIAL PRECAUTIONS

**Precautions to be taken in handling and storing:** Store in a cool, dry place. Optimum storage temperature 70°F.  
**Other precautions:** Keep from freezing. If frozen, allow adhesive to thaw at room temperature. DO NOT agitate or stir until adhesive is completely thawed. Keep sealed when not in use.