



# Advanced Adhesive Technologies, Inc.

## AAT-367 Clear Thin Spread Adhesive

### Specification Sheet

#### I. Description:

AAT-367 is a high quality adhesive with outstanding initial tack and lasting grab for the installation of vinyl composition tile (VCT), asphalt tile. This latex-resin adhesive dries to a transparent film, reducing any unsightly oozing between tiles. AAT-367 is “installer friendly” and “solvent-free.” AAT-367 spreads easily, has an extended working time, is outstandingly water resistant, and nonflammable. The CRI Green-Label Plus Adhesive Certification Program has certified AAT-367 as a “low VOC” adhesive. It meets and exceeds all current EPA and OSHA recommendations regarding “Indoor Air Quality, (IAQ).” This adhesive can be used over common smooth, level, and structurally sound subfloors including concrete slabs (above, on, or below grade) and suspended wood subfloors covered by an acceptable underlayment (see section B.2). AAT-367 is backed by a five-year Performance 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.

#### II. Uses:

AAT-367 Clear Thin Spread Tile AD-Hesive is recommended for the following installations:

**A. Flooring Materials:** Vinyl composition Tile (VCT), Asphalt Tile.

**B. Subfloors:**

1. Above, on, or below grade concrete
2. Underlayments: Plywood (all underlayment grades), Oriented Stranded Board (OSB), Hardboard, existing resilient flooring (must be well bonded, sound, smooth, and free of all waxes, finishes, strippers, and cleaners) Ceramic Tile, Terrazzo, and Marble (all paint, varnish, oil, wax, and finishes should be removed. Smooth or glazed surfaces must be abraded. Repair all joints and cracked with latex-based Portland cement underlayment.)

**Note:** While some Lauan underlayments are acceptable {Type 1 (exterior) BB and CC or OVL} there are some variety’s present severe problems, when used as underlayments. Frequent problems noted are discoloration, indentation, bond failure, and underlayment delamination. Particleboard is NOT recommended underlayment under full spread installations of resilient flooring. Strip or plank wood flooring should be covered with an approved underlayment (minimum thickness of 1/4".)

#### III. Installation Recommendations

1. Flooring materials must be stored, and the installation performed, in a heated building where room and floor temperature should be no less than 65°F, 24 Hours before, during, and after installation.
2. Flooring materials should be installed in strict accordance with the manufacturer’s recommendations.
3. Subfloor must be cleaned, dry, and free of dirt, paint, oil, wax, concrete sealers and/or curing agents Soft, porous, grainy, flaxy, dusty, or lightweight acoustical concrete should be coated with cementitious treatment to assure the integrity of the slab. Concrete slabs must be fully cured. All subfloors should be free of excessive moisture emissions and alkali. (<5lbs./1000 sq. ft./24 hrs. and a max pH of 9.) Fill subfloor cracks and level the subfloor with a cementitious patch/leveling compound.
4. Apply AAT-367 with a brush, roller, sprayer or notched trowel. Allow adhesive to dry and turn transparent. Place tile into dry, pressure sensitive adhesive and press firmly. Do not exceed recommended coverage rates.
5. Due to the pressure sensitive nature of AAT-367 large areas can be covered over an extended period with working time of up to 12 hours or more. Tile should not be installed into adhesive that is not thoroughly dry.
6. Roll tile with a 100 lb. three section roller.

7. After the completion of the VCT installation, restrict foot traffic for 24 hours. Rolling traffic or the moving of heavy objects on the tile should be avoided for 72 hours. Do not expose the tile to water or cleaning for at least five days.

**Cautions:**

Subfloor surfaces must be cleaned, dry, and free of dirt, paint, oil, wax, concrete sealers and/or curing agents. Soft, porous, grainy, flaky, dusty, or lightweight acoustical concrete should be coated with a cementitious treatment to assure the integrity of the slab. Concrete slabs must be fully cured. All subfloors should be free of excessive moisture emissions and alkali. (<5 lbs./100 sq. ft./24hrs and a max pH of 9) Very porous subfloors should be primed with AAT-570.

**Typical trowel and approximate coverage:**

**VCT**

1/32" x 1/16" x 1/32"

(Depth x Width x Space)

180-250 sq. ft/gallon



August 6, 2007

**MATERIAL SAFETY DATA SHEET**  
FOR COATINGS, RESINS AND RELATED MATERIALS  
(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

**DATE OF PREP:** March 17, 2006

Prepared By: Tim Brown

NPCA HMIS

**H = 1**

**F = 0**

**R = 0**

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**SECTION I**

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**MANUFACTURED FOR:** Advanced Adhesive Technologies, Inc

**STREET ADDRESS:** 424 S. Spencer Street

**CITY, STATE, AND ZIP CODE:** Dalton, GA 30721

**EMERGENCY TELEPHONE:** Chemtrec (800)424-9300 24hrs. or (706)226-0610 8a.m.-5p.m. ET

**PRODUCT CLASS:** Floor Covering Adhesive      **TRADE NAME:** Advanced Air Tech – Clear Thin Spread Adhesive

**MANUFACTURER'S CODE IDENTIFICATION:** AAT-367

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**SECTION II - HAZARDOUS INGREDIENTS**

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INGREDIENT	NTP, IARC/ OSHA CARC	PERCENT	PEL(OSHA) PPM    TWA	VAPOR PRESSURE
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None

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**SECTION III - PHYSICAL DATA**

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**BOILING RANGE:** Greater than 212°F

**VAPOR DENSITY:** LIGHTER THAN AIR

**EVAPORATION RATE:** SLOWER THAN ETHER

**PERCENT VOLATILE BY VOLUME:** 45% +/- 2%

**VOC EMISSION:** 0 g/l (calculated per Ca. South Coast Rule 1168)

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## SECTION IV - PHYSICAL DATA

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**DOT CATEGORY:** Nonflammable

**FLASH POINT:** N/A

**LEL.:** Not Known

**EXTINGUISHING MEDIA:** Water mist, dry chemical, CO<sub>2</sub>, mechanical foam

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Liquid adhesive will not ignite. Dried adhesive will ignite if heated over 150°C and/or exposed to ignition source, producing CO, CO<sub>2</sub>, smoke and hydrocarbons.

**SPECIAL FIRE FIGHTING PROCEDURES:** If dried adhesive ignites, use dry chemical, foam extinguishers, or a fog nozzle. For small fires, CO<sub>2</sub> extinguishers can be used. Use air mask when combating dried adhesive fires.

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## SECTION V - HEALTH HAZARD DATA

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**THRESHOLD LIMIT VALUE:** Non-established

**EFFECTS OF OVER EXPOSURE:** 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.

**HAZARDOUS IDENTIFICATION: CHRONIC:** N/A

**CARCINOGENICITY:** This product contains no ingredient listed as a carcinogen by IARC, NTP, or OSHA.

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## SECTION VI - REACTIVITY DATA

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**STABILITY:** STABLE

**CONDITIONS TO AVOID:** Closed area with open container

**INCOMPATIBILITY:** (MATERIALS TO AVOID)

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**CONDITIONS TO AVOID:** Closed area with open container, strong acids or oxidants, temperature below 20°F

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## SECTION VII - SPILL OR LEAK PROCEDURES

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**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.

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### SECTION VIII - SPECIAL PROTECTION INFORMATION

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**RESPIRATORY PROTECTION:** None required with adequate

**VENTILATION:** Open windows, exhaust fan, open air area

**PROTECTIVE GLOVES:** May be desirable for people with sensitive

**EYE PROTECTION:** Safety glasses or goggles.

**OTHER PROTECTIVE EQUIPMENT:** None required

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### SECTION IX - SPECIAL PRECAUTIONS

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store in a cool, dry place. Optimum storage temperature 70°F. Shelf Life - One year from the date of manufacture in an unopened container.

**OTHER PRECAUTIONS:** Keep from freezing. Keep sealed when not in use. If frozen, allow adhesive to thaw at room temperature. DO NOT agitate or stir until adhesive is completely thawed.