



## Advanced Adhesive Technologies, Inc. AAT-320 Carpet Tile Adhesive Specification Sheet

### Description:

AAT-320 is a pressure sensitive adhesive specifically formulated for the installation of carpet tiles and double-glue padding over commonly encountered smooth, clean sub-floors. AAT-320 is non-flammable, water resistant and has excellent vinyl plasticizer migration resistance. 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.

It offers excellent coverage, plus these additional advantages:

- A. Ease of application: Because the adhesive is thixotropic it can be troweled, rolled, or sprayed to acquire proper application rates.
- B. Rebonds easily: if allowed to dry before placing the carpet tile or pad, AAT-320 remains tacky for an extended period allowing tiles to be repositioned several times without affecting the adhesive. Adhesive will remain tacky for up to 24 hours.
- C. Simplified Removal: Damaged or soiled tiles can be easily replaced. Tiles may be removed to allow access to floor ducts, flat cable and similar electrical accessories.

**NOTE:** AAT-320 is an acrylic latex adhesive which dries to form a pressure sensitive film. When applied to the sub-floor, allow it to dry to the touch, not transferring to fingers. High humidity and low temperatures will affect drying time. When applying the adhesive over nonporous substrates allow additional time for the adhesive to dry to a pressure sensitive state. Placing tiles or pad into the wet adhesive will result in an aggressive, permanent bond.

AAT-320 is recommended for the following installations:

- Carpet Tile [Modular Carpet, Carpet Squares] with backings of:
  1. PVC
  2. Ethylene vinyl acetate (EVA)
  3. Polypropylene
  4. Polyurethane cushion
  5. Bitumen
- Six-foot broadloom carpet with PVC backing
- Pad-to-Floor--Double Glue Applications AAT-320 should only be used in conjunction with carpet and pad manufacturers' specifications following the guidelines set forth in CRI-104.
- Subfloor Surfaces:
  1. Concrete (above, on, or below grade) in absence of excessive moisture emissions and alkali. MVER – Max 6 lbs. /1000 sq. ft. /24 hrs. (ASTM F-1869-04); RH max 75% (ASTM F-2170-02); pH max 10.0
  2. APA Rated underlayment grade plywood
  3. Terrazzo
  4. Primed metal
  5. Hardboard
  6. Well-bonded resilient floor covering. (Avoid installations over existing resilient floors that are deeply embossed, cushion backs, or having wax coatings.)



For backings and sub-floors not specifically listed please contact Technical Services for usage information.

### Specific Technical Data

- A. Base: Acrylic latex emulsion
- B. Color: Gray
- C. VOC: 0 g/l per SCAQMD Rule 1168. CRI Green Label Plus Certified--low VOC PSA.
- D. Application method: apply per recommendations from floor covering manufacturer's installation instructions.
- E. Freeze-Thaw Stable to 15F-20F. If frozen allow to thaw at room temperature. DO NOT stir or agitate while frozen.
- F. Clean-up: Remove wet adhesive with warm water. Use AAT-197 Adhesive Remover for dry adhesive.
- G. Sizes: 4 gallon and 1 gallon pails

### Application and approximate coverage:

Carpet Tiles: 1/32" x 1/16" x 1/32" U notch trowel: 180-250 sq. ft. /gal.

Roller or Spray Applications: 275-350 sq. ft. /gal.

6" Broadloom carpet and cushion: 1/16" x 1/16" x 1/16" sq notch trowel: 150 sq. ft. /gal

AAT-320 can be applied with a heavy nap roller or spray equipment but caution must be exercised to maintain adequate adhesive coverage. For most applications, spread rate should not exceed 350 sq. ft. /gal.

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5/19/2010

# MATERIAL SAFETY DATA SHEET

## NPCA HMIS

H = 1  
F = 0  
PH = 1

Prepared by: Tim Brown  
Date of Prep: 08/18/08

## SECTION I

**Manufacturer's Name:** Advanced Adhesive Technologies, Inc.  
**Street Address:** 419 South Glenwood Avenue Dalton, GA 30721  
**Emergency Telephone No.:** Chemtrec 1-800-424-9300  
**General Information No.:** 1-800-228-4583  
**Product Class:** Floor Covering Adhesive  
**Manufacturer's Code Identification:** AAT-320  
**Trade Name:** Carpet Tile Adhesive

## SECTION II — HAZARDOUS INGREDIENTS

None

## SECTION III — PHYSICAL DATA

**Boiling Range:** > 212°F  
**Vapor Density:** Heavier  
**Evaporation Rate:** Slower than Ether  
**Percent Volatile by Volume:** 39% ± 2.0  
**VOC Emission:** 0 g/l (calculated per SCAQMD Rule 1168)

## SECTION IV — FIRE AND EXPLOSION HAZARD DATA

**DOT Category:** Latex Emulsion  
**Flash Point:** N.A.  
**LEL:** Not Known  
**Extinguishing Media:** Water mist, dry chemical, or mechanical foam  
**Unusual Fire and Fighting Hazards:** None  
**Special Fire Fighting Procedures:** None

## SECTION V — HEALTH HAZARD DATA

**Threshold Limit Value:** Non-Established  
**Effects of overexposure:** May cause eye and skin irritation after prolonged exposure.  
**Emergency and First Aid Procedures:** Eye Contact: Wash with plenty of cold water for at least 15 minutes. Contact a physician if ingested.

## SECTION VI — REACTIVITY DATA

**Stability:** Stable  
**Incompatibility:** None  
**Conditions to avoid:** Closed area with open container  
**Hazardous Decomposition Products:** Carbon Monoxide and Carbon Dioxide by thermal decomposition  
**Hazardous Polymerization:** Will not occur  
**Conditions to avoid:** Not known

## SECTION VII — SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled:** Collect in suitable container, wash area with plenty of soapy water.  
**Waste Disposal Method:** Dispose in accordance with local, state, and federal regulations.

## SECTION VIII — SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** Proper Ventilation  
**Ventilation:** Forced Air  
**Protective Gloves:** Impervious gloves  
**Eye Protection:** Safety glasses or goggles.  
**Other Protective Equipment:** Normal work clothes

## SECTION IX — SPECIAL PRECAUTIONS

**Precautions to be taken in handling and storing:** Store in a cool, dry place. Optimum storage temperature 70°F. Keep sealed when not in use. Shelf life: One year from date of manufacturing in an unopened container.  
**Other precautions:** Follow good housekeeping practices. Keep from freezing. If frozen allow to thaw at room temperature. Do NOT agitate or stir while frozen.