



**Advanced Adhesive Technologies, Inc.**

## **AAT-260 Premium Adhesive Specification Sheet**

### **Description**

**AAT-260 Premium** is a latex-based, non-flammable adhesive formulated for the installation of direct glue-down carpets and other types of floor covering. It is specifically formulated for the direct glue-down of stiff and “boardy” carpets that have a tendency to curl or spring up after installation. AAT-260 adhesive remains tacky for an extended period, and has excellent rebonding capabilities. 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 wet and dry state.

### **Uses:**

AAT-260 is recommended for the following installations:

1. Carpets: woven polypropylene backs (ActionBac®, hot melt, etc.) latex unitary, urethane foam-backed (Enhancer® I,II,III,IV and Durafoam), rubber backs, woven and needlepunch, jute
2. Resilient flooring (Because of its non-staining characteristics, AAT-260 can be used to install the following:
  - a. VCT (vinyl composition tile)
  - b. Mineral, paper, or felt backed sheet goods
3. Acoustical cork underlayments



**NOTE:** This adhesive is not recommended for pure vinyl backed sheet goods or carpets

### **Subfloor Surfaces**

1. Above, on, and below grade concrete (max. moisture emission rate of 3 lbs./1000 sq ft/24 hours, max sub-floor RH 75% and a max. pH of 7-9.0)
2. Underlayments
  - a. Plywood (underlayment grade)
  - b. Oriented Strand Board (OSB)
  - c. Hardboard
  - d. Existing resilient floors (must be well bonded, sound, smooth, and free of all waxes, finishes, strippers, and cleaners)
  - e. Ceramic Tile, Terrazzo, and Marble (smooth or glazed surfaces must be abraded).

### **Specific Technical Data**

- Latex-resin emulsion
- Open Time: 15-30 minutes (varies with temperature, wind and relative humidity)
- Freeze-Thaw stable
- Clean-up: wet adhesive with warm water, dry adhesive with AAT-197 Adhesive Remover
- Sizes: 1 gallon and 4 gallon pail

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## Typical trowel and approximate coverage

### Sheet Vinyl

1/16" x 1/16" x 1/16" sq. notch  
125-150 sq. ft. /gal

### Carpet

1/8 x 1/8 x 1/8 U notch  
90-110 sq. ft. /gal

### Unitary

1/8 x 1/8 x 1/16 U notch  
45-55 sq.ft./gal

## Installation Recommendations:

*Prior to the start of the installation the installer must determine that the job-site conditions meet or exceed all applicable standards of the floorcovering manufacturer and AAT. The sub-floor should be prepared according to the standards and practices set forth in the document ASTM F-710-08. We recommend installers follow the guidelines set forth in CRI 104 or specific manufacturer's recommendations. It is extremely important to maintain recommended notch width and spacing. The proper notch depth is that which will produce adhesive ridges that affect a 100% transfer to both the substrate and the carpet backing to include the inner recesses of the texture of the back.*

1. Flooring materials and adhesive must be stored in a pre-heated building where room temperature should be no less than 65°F for a minimum of 24 hours before the installation begins. Adequate ventilation should be available at the installation site. The HVAC system for the building should provide a consistent air temperature of 65°-75°F and relative humidity levels should be between 35-55% for a minimum of 48 hours prior to and for 72 hours following the installation. The temperature of the sub-floor should be 65°- 90°F during the installation. Do not allow the temperature of indoor carpeted areas to fall below 50°F, regardless of the age of the installation.
2. Subfloors must be cleaned, free of dust. Dirt, grease, wax, paint, curing or parting agents or any other substance that may affect the bond. Concrete floors must be level, flat, and smooth. Concrete sub-floors must be dry with moisture emission rates that do not exceed 3 lbs. /1000 sq. ft. /24 hrs. as measured by using the Anhydrous Calcium Chloride Test, ASTM-F1869-0). The relative humidity of the slab must be 75% or less according to the In Situ Relative Humidity ASTM-F2710-02. The pH must be 7.0-9.0. Very porous sub-floors must be primed with AAT-570.
3. Typical Trowel Recommendation: sheet vinyl-1/16" x 1/16" x 1/16" sq. notch (125-150 sq.ft./gal); carpet-1/8" x 1/8" x 1/8" U notch (90-110 sq.yds./gal); Unitary-1/8" x 1/8" x 1/8" U notch (45-55 sq.yds/gal)
4. Allow the adhesive to tack properly and maintain proper trowel notch throughout entire installation. Temperature and relative humidity will affect the tack and working time of the adhesive. Occasionally, lift the carpet to assure that a 100% adhesive transfer is achieved.
5. Seal seams and edges with an appropriate seam adhesive to prevent raveling and to maintain the appearance of the carpet. (i.e. AAT-181, AAT-125)
6. Lay floorcovering into the adhesive as to minimize air bubbles and wrinkles.
7. Roll flooring to ensure adequate transfer (Resilient-75-100 lbs.; Carpet-50-75 lbs.) Roll from centers to edges, forcing out air pockets.



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# MATERIAL SAFETY DATA SHEET

## NPCA HMIS

H = 1  
F = 0  
PH = 1

Prepared by: Howard Burchett, Jr.  
Date: April 17, 2009 (Replaces July 27, 2006)

## SECTION I

**Manufacturer's Name:** Advanced Adhesive Technologies, Inc.  
**Street Address:** 419 S. Glenwood Ave. 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-260  
**Trade Name:** Premium Adhesive

## SECTION II — HAZARDOUS INGREDIENTS

None

## SECTION III — PHYSICAL DATA

**Boiling Range:** Greater than 212° F  
**Vapor Density/Evaporation Rate:** Same as water  
**Percent Volatile by Volume:** 39-43%  
**VOC Emission:** 0 g/l (Calculated per SCAQMD 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.  
Shelf life – one year from the date of manufactured in an unopened container.  
**Other precautions:** Keep sealed when not in use. Keep from freezing.  
If frozen DO NOT stir or agitate. Allow to thaw at room temperature.

