



# Advanced Adhesive Technologies, Inc.

## AAT-280

### Specification Sheet

#### Description:

AAT-280 is specially formulated to handle your toughest installation challenges. This firm setting, fast tacking adhesive is excellent for “double glue down” installations, woven carpets, and carpets with stiff unitary backing or attached cushions. AAT-280 is a safe, light colored, low odor, latex based adhesive designed with the installer’s needs in mind. AAT-280 is water resistant and non-flammable, and is the most versatile, strongest, trouble-free floor covering adhesive. This adhesive is backed by a limited Ten Year Warranty (for installations after Feb. 1, 2003). 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-280 Ultimate AD-Hesive is recommended for the following installations:

- Carpets: All polypropylene backs (ActionBac®, hot melt, etc.), Latex and urethane unitary, Polyurethane laminates (Life Span®, Atlantis, etc.), Urethane foam-backed (Enhancer® I, II, IV, and Durafoam), Rubber backs, Woven and Needle-punch, Double Glue-Downs with approved carpet and cushion, Jute, Aqua Bac®
- Resilient Flooring (Although this adhesive is formulated for carpet installations, because of its non-staining characteristics, it can be used to install the following.)
  - VCT (Vinyl Composition Tile)
  - Mineral, paper, or felt backed sheet goods

This adhesive is not recommended for pure vinyl backed sheet goods or carpet.

- Sub floors:
  - Above, On, and Below grade concrete (Maximum moisture emission rate of 5lbs. /1000 sq. ft. /24 hours and a pH of 9)
  - Underlayments: Underlayment grade plywood or 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 a varieties present severe problems when used as underlayments. Frequent problems noted are discoloration, indentation, bond failure, and underlayment delamination.



#### Specified Technical Data:

- Base: latex-resin emulsion
- Color: yellow-tan
- Flammability: non-flammable
- Typical Trowels and approximate coverage:

#### Sheet Vinyl

1/16” x 1/16” x 1/16” sq. notch  
(180 sq. ft/gal)

#### Carpet

1/8” x 1/8” x 1/8” u-shape notch  
100 sq. ft. /gal

**NOTE:** 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.

- Clean-up: Remove wet adhesive with damp cloth (plain water). Use AAT AD-Hesive Cleaning Solvent for dry adhesive.
- Freeze/thaw stable
- **NOTE:** Not recommended for exterior installations. Use AAT-383 for exterior installations
- Sizes: 4 gallon pail



# MATERIAL SAFETY DATA SHEET

## NPCA HMIS

H = 1  
F = 0  
PH = 1

## 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 (8am to 5pm)  
**Product Class:** Floor Covering Adhesive  
**Manufacturer's Code Identification:** AAT-280  
**Trade Name:** The Ultimate Adhesive

## 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:** 30-35 %  
**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, CO<sub>2</sub>, 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, 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.

## 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 35°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 in an unopened container  
**Other precautions:** Keep from freezing. Keep sealed when not in use.