



Advanced Adhesive Technologies, Inc.

AAT-275 Ultra Premium Adhesive Specification Sheet

AAT-275 is specifically formulated for the heaviest commercial applications. This ultra-strong, low VOC adhesive is excellent for woven carpets, those with stiff unitary backings, and attached cushion backings. AAT-275 Ultra Premium Adhesive is THE professional's choice for Double-Glue and pattern matching applications. This formula has an extended working time and superior re-tack engineered to maximize installer efficiency. AAT-275 is backed by a Limited-Lifetime Warranty (for installations after Feb. 1, 2003). This adhesive should not be used with urethane unitary or vinyl (PVC) backings.

AAT-275 Ultra Premium Adhesive can be used for the following carpet backings and floor coverings:



- Direct-Glue: woven polypropylene (ActionBac®, hot melt, etc.) latex unitary, polyurethane foam-backed (Enhancer® I,II,III,IV, BioCel™ and Durafoam), rubber backs, woven, axminster, needlepunch, and jute
- Double-Glue: 275 is recommended for double-glue “carpet to pad” applications with specific carpet backings approved by AAT for this application. This adhesive can also be used to adhere approved double-glue carpet cushions.
- Although this adhesive is formulated for carpet installations, because of its non-staining characteristics, it can be used to install felt backed sheet vinyl.

This adhesive is not recommended for vinyl backed (PVC) sheet goods or carpets with urethane unitary or vinyl (PVC) backings.

Sub-floors must be flat and structurally sound. All paint, varnish, oil, wax, 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. Concrete slabs on or below grade must have a functioning vapor retarder. This vapor retarder must be directly between the slab and the capillary break. The sub-floor must have a maximum moisture emission rate of 5lbs/1000 sq.ft./24 hours [ASTM F1869-10], a pH of 7.0- 9.0 [ASTM F710-11], and maximum *in situ* RH of 85% [ASTM F2170-09]. Never sand existing resilient flooring that could contain asbestos. Follow all Federal, State and Local regulations relating to the removal of in-place, asbestos containing material. Very porous sub-floors must be primed with AAT-570 Primer/Sealer.

- Concrete above, on or below grade
- APA Rated plywood underlayments
- 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”). While some Lauan underlayments are acceptable [Type 1 (Exterior) BB and CC, or OVL] there are a variety of qualities and species sold as Lauan. Some varieties present severe problems when used as underlayments. Frequent problems noted are discoloration, indentation, bond failure, and underlayment delamination. Before beginning installations with backing systems or over sub-floors not listed contact AAT's Technical Services for recommendations.

Typical towels and approximate coverage: (depth x width x spacing)

Woven polypropylene, woven, axminster: 1/8" x 1/8" x 1/8" U notch, 100 sq. ft. /gal.

Attached cushions: 3/32" x 3/32" x 3/32" V notch, 125 sq. ft. /gal.

Unitary and Double-Glue (Carpet to Cushion): 1/8" x 1/8" x 1/16" U notch, 50 sq. ft./gal.

Sheet Vinyl: 1/16" x 1/16" x 1/16" □ notch, 150 sq. ft./gal.

Specified Technical Data:

- Base: latex-resin emulsion
- Color: yellow-tan
- Flammability: non-flammable
- Clean-up: Remove wet adhesive with water and mild soap solution. Use AAT-197 Adhesive Remover to remove dried adhesive. Dried adhesive may be more difficult to remove; therefore, take care to remove adhesive from the surface of the flooring before it dries. DO NOT apply the solvent directly to the flooring material.
- Freeze/thaw stable: (stability and spreadability will be reduced if frozen. For best results do not allow to freeze.)
- VOCs: 0 g/l (Calculated per Ca. Rule 1168).
- Sizes: 4 gallon pail and Case/Gallons
- Not recommended for exterior installations. Use AAT-383 or AAT-290 for exterior carpet installations

NOTE: We recommend installers follow the guidelines set forth in CRI's *Carpet Installation Standard* or specific manufacturer's recommendations. Before placing the carpet, the adhesive must be allowed an open or dwell time appropriate for the carpet backing, jobsite and sub-floor conditions. 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.



MATERIAL SAFETY DATA SHEET

NPCA HMIS

H = 1

F = 0

R = 0

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: Floor Covering Adhesive
Manufacturer's Code Identification: AAT-280
Trade Name: Advanced Air Tech—The Ultimate

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 %
Weight per Gallon: 9.8 - 10.02 lbs.
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 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.