



Advanced Adhesive Technologies, Inc.
AAT-299 Ultra-Premium Spray Grade Adhesive
Specification Sheet

Description:

This medium-firm setting, quick grab adhesive is excellent for “double glue down” installations, woven carpets, and carpets with stiff unitary backings or attached cushions. **AAT-299** is a safe, light colored, low odor, latex based adhesive designed to maximize installer efficiency. **AAT-299** is specially formulated for the installation of urethane foam backed carpets (Enhancer I, II, III, IV, and Durafoam) and may also be used to install all other carpet backings, but should not be used with pure vinyl’s (resilient or carpets). 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. AAT-299 is backed by a Limited Lifetime Warranty.

AAT-299 Ultra Premium Adhesive is recommended for the following installations:

A. Carpets (Commercial):

1. Urethane foam-backed (Enhancer, I, II, III, IV, Durafoam and Uralon)
2. Unitary (includes 20 plus lbs. tuft bind)
3. Double Glue
4. Woven polypropylene (ActionBac®, hot melt)
5. Needle-punch
6. Wovens
7. Jute
8. Rubber (Latex foam, Durogan, Rubber Sponge)



B. Resilient Tile and Sheet Goods (although this adhesive is formulated for carpet installations, because of it’s non staining characteristics, can be used to install):

1. VCT (Vinyl Composition Tile)
2. Mineral, Paper, or felt backed sheet goods

This adhesive is not recommended for pure vinyl’s (resilient or carpets).

C. Sub-floors:

1. Above, On or Below grade concrete free of excessive moisture emissions and alkali. (ASTM F18695 lbs/ 1000 sq ft/24 hrs, ASTM F2170 max RH 75% pH7- 9.0)
2. Underlayments
 - a. Plywood (all underlayment grades)
 - b. Oriented Strand Board (OSB)
 - c. Hardboard
 - d. Existing resilient flooring (Must be well bonded, sound, smooth, and free of all waxes, finishes, strippers, and cleaners)
 - e. 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 cracks with latex-based Portland Cement Underlayment.)

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NOTE: 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 present severe problems when used as underlayments. Frequent problems noted are discoloration, indentation, bond failure, and underlayment delamination. Particleboard is **not** a recommended underlayment under full spread installations of resilient flooring. Strip or plank wood flooring should be covered with an approved underlayment (minimum thickness of ¼".) Very porous sub-floors must be primed with AAT-570 Primer/Sealer before applying the adhesive.

Specific Technical Data

- A. Base: latex-resin emulsion
- B. Color: Yellow-Tan
- C. Flammability: Non-Flammable
- D. Clean-up: Remove wet adhesive with damp cloth (plain water). Use AAT-197 Cleaning Solvent for dry adhesive.
- E. Freeze/thaw stable
- F. Size: 4 gallon pail
- G. Not recommended for exterior installations
- H. VOCs: 0 g/l (Calculated per SCAQMD Rule 1168)

Typical Coverage Rates

(Using AAT Universal Adhesive Sprayer US-1)

Spray Tip # 80 – 10 90-108 sq. ft. per gal (40-50% overlap spray) ActionBac, Enhancer Backs, Foam Backs, Life Span or Premier Plus	Spray Tip # 80 – 10 72 – 90 sq. ft. per gal (60 % overlap spray) Latex Unitary, Lees's UniBond, Double Lock ActionBac, Double Glue (Carpet to Pad)	Spray Tip # 80 – 06 180 – 198 sq. ft. per gal (No overlap) VCT, Double Glue (Pad to Floor), Vinyl Sheet Goods, (mineral, paper or felt backed)
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We recommend installers follow the guidelines set forth in CRI 104 or specific manufacturer's recommendations, it is extremely important to maintain the recommended coverage and application. The proper coverage is that which will produce adhesive volume that affects 100% transfer to both the substrate and the carpet backing to include the inner recesses of the texture of the back.



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MATERIAL SAFETY DATA SHEET

NPCA HMIS

H = 1
F = 0
PH = 0

Prepared by: **Tim Brown**
Date of Prep: **06/01/07**

SECTION I

Manufacturer's Name: Advanced Adhesive Technologies, Inc.
Street Address: 419 S. Glenwood Ave Dalton, GA. 30720
Emergency Telephone No.: Chemtec 1-800-424-9300
General Information No.: 1-800-228-4583
Product Class: Floor Covering Adhesive
Manufacturer's Code Identification: AAT-299
Trade Name: Ultra Premium Spray Grade Adhesive

SECTION II — HAZARDOUS INGREDIENTS

None

SECTION III — PHYSICAL DATA

Boiling Range: > 212°F
Vapor Density: Lighter
Evaporation Rate: Slower than Ether
pH: 9.4 – 9.8
Percent Volatile by Volume: 36-38%
VOC Emission: 0 g/l (calculated per SCAQMD Rule 1168)

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

DOT Category: Latex Emulsion - Nonflammable
Flash Point: N.A.
LEL: Not Known
Extinguishing Media: Does not ignite unless all water is removed, the dry chemical.
Unusual Fire and Fighting Hazards: None
Special Fire Fighting Procedures: None

SECTION V — HEALTH HAZARD DATA

Threshold Limit Value: Non-Established
Effects of overexposure: Mild skin irritation after prolonged exposure.
Emergency and First Aid Procedures: Wash skin with water. Flush eyes with water and apply a neutralizer for alkaline substances.

SECTION VI — REACTIVITY DATA

Stability: Stable
Incompatibility: None
Conditions to avoid: Temperatures below 15F. Do not allow to freeze.
Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur

SECTION VII — SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Scoop up as much as possible then wash down the area with water. Keep out of streams and rivers.

Waste Disposal Method: Dry – Landfill Wet – as for latex

SECTION VIII — SPECIAL PROTECTION INFORMATION

Respiratory Protection: Proper Ventilation
Ventilation: Local exhaust sufficient. Open windows.
Protective Gloves: May be desirable
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. 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.