



Advanced Adhesive Technologies, Inc.

AAT-275

Specification Sheet

Description:

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. (See below) 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.

Uses:

AAT-275 Ultra Premium is recommended for the following floor coverings:

- A. Carpet:
 - a. Latex Unitary (includes 20+lbs. tuft lock)
 - b. Double Glue (carpet to pad)
 - c. Woven Polypropylene (ActionBac® and hot melt)
 - d. Woven and Axminster
 - e. Urethane Foam
(Enhancer I, II, III, IV, Durafoam and Uralon)
 - f. Needlepoint
 - g. Rubber (sponge, Duragan) and Latex Foam
 - h. Jute
- B. Resilient Sheet Goods and Tile (although this adhesive is formulated for carpet installations, because of its non-staining characteristics, it can be used to install):
 - a. Mineral, paper, or felt back backed sheet goods
 - b. VCT (vinyl composition tile)



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

- C. Subfloors:
 - a. Above, On or below grade concrete(maximum moisture emission rate of 5lbs/1000 sq ft./24 hours and a pH of 9)
- D. 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, Terrazo, 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 underlayments.)

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 varieties 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").

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-197 AD-Hesive Remover dried adhesive.
- 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

NOTE: Not recommended for exterior installations. Use AAT-383 for exterior installations

Revised November 11, 2009



MATERIAL SAFETY DATA SHEET

NPCA HMIS

H = 1
F = 0
PH = 1

Prepared By: Howard Burchett, JR.
Date: November 16, 2009 (Replaces March 24, 2008)

SECTION I

Manufacturer's Name: Advanced Adhesive Technologies, Inc.
Street Address: 419 S Glenwood Ave Dalton, GA 30720
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-275
Trade Name: Advanced Air Tech—Ultra Premium

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: 32 – 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, 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.
Other precautions: Keep from freezing. If frozen, allow adhesive to thaw at room temperature. DO NOT agitate or stir until adhesive is completely thawed. Keep sealed when not in use.