



Advanced Adhesive Technologies, Inc.

AAT-370 Clear Thin Spread Adhesive

Specification Sheet

Description:

AAT-370 is a high quality adhesive with outstanding initial tack and lasting grab for the installation of vinyl composition tile (VCT), asphalt tile, and direct-glue installation of carpet pads (urethanes, synthetic fiber, rubber sponge, etc.). This latex-resin adhesive dries to a transparent film, reducing any unsightly oozing between tiles. AAT-370 is “installer friendly” and “solvent free.” AAT-370 spreads easily, has an extended working time, is outstandingly water resistant, and nonflammable. The CRI Green-label Plus Adhesive Certification Program has certified AAT-370 as a “low VOC” adhesive. It meets and exceeds all current EPA and OSHA recommendation regarding “Indoor Air Quality, (IAQ).” This adhesive can be used over common smooth, level, and structurally sound subfloors including concrete slabs (above, on, or below grade) and suspended wood subfloors covered by an acceptable underlayment (see section B.2). AAT 370 is backed by a Five Year Performance Warranty. 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-370 Clear Thin Spread Tile AD-Hesive is recommended for the following installation:

- Flooring Materials: Vinyl composition Tile (VCT), Asphalt Tile, Urethane backed carpet tile, Carpet Padding (urethanes, synthetic fiber, rubber sponge, etc.)
- Sub floors:
 - Above, On, and Below grade concrete
 - Underlayments: Plywood (all underlayment grades), Oriented Strand Board (OSB), 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. Particleboard is NOT recommended underlayment under full spread installations of resilient flooring. Strip or plank wood flooring should be covered with an approved underlayment (minimum thickness of 1/4”).

CAUTIONS:

Subfloor surfaces must be cleaned, dry, and free of dirt, paint, oil, wax, concrete sealers and/or curing agents. Soft, porous, grainy, flaky, dusty, or lightweight acoustical concrete should be coated with a cementitious treatment to assure the integrity of the slab. Concrete slabs must be fully cured. All subfloors should be free of excessive moisture emissions and alkali. (< 5lbs. /1000 sq ft / 24 hrs and a max pH of 9) Very porous subfloors should be primed with AAT-570.

Typical trowel and approximate coverage:

VCT

1/32” x 1/16” x 1/32”
(Depth x Width x Space)
180-250 sq. ft. / gallon

Carpet Pad

1/16” x 1/16” x 1/16”
(Depth x Width x Space)
20-22 sq. yd. / gallon



MATERIAL SAFETY DATA SHEET

NPCA HMIS

H = 1
F = 0
R = 0

Prepared By: **Tim Brown**

Date: **01/15/05**

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-370
Trade Name: Advanced Air Tech—Clear Thin Spread Tile 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: 43%+/- 2%
Weight per Gallon: 9.3 – 9.8 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 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. Keep sealed when not in use.
If frozen, allow adhesive to thaw at room temperature. DO NOT agitate or stir until adhesive is completely thawed.
Shelf Life – One year from the date of manufactured in an unopened container.

