



Advanced Adhesive Technologies, Inc. AAT-390 Marine and Exterior Adhesive

AAT-390 is a solvent-free, latex-resin emulsion adhesive specifically designed for the installation of most outdoor and marine carpets. AAT-390 offers excellent resistance to moisture or water when fully dry and cured. AAT-390 is compatible with most carpet backings and felt back sheet vinyl. AAT-390 is non-flammable, freeze-thaw stable. This 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-390 Marine and Exterior Adhesive is recommended for the following installations:

- A. Carpets and artificial turfs:
 - a. Rubber-backed (Marine, waffle, foam)
 - b. Non-backed (Tufted or woven)
 - c. Woven polypropylene (ActionBac®)

Not recommended for carpets with vinyl and most urethane backings.

- B. Sheet vinyl:
 - a. Felt back
- C. Subfloor Surfaces: Sub-floors must be flat and structurally sound. The sub-floor should be flat within 3/16" in 10' or 1/8" in 6'. 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-fortified portland cement underlayment. Concrete sub-floors must be properly prepared according to the recommended practices detailed in the document ASTM F-710. 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 a compatible acrylic primer.

AAT-390 can be used over the following sub-floors. For interior applications over concrete and gypsum cement the maximum moisture emission rate of 5lbs/1000 sq ft. /24 hours [ASTM F1869] and a maximum *in situ* RH of 80% [ASTM F2170]. The sub-floor pH must be 7.0- 9.0 [ASTM F710]:

- a. Concrete (clean and fully cured)
- b. Asphalt paving (clean and fully cured)
- c. Other clean, sound paving surfaces
- d. Fiberglass*
- e. Aluminum*
- f. APA rated underlayment and marine grade plywood

Do not use over asphalt roofing or pressure treated wood decking. Before beginning installations with backing systems or over sub-floors not mentioned above, please contact AAT Technical Services for recommendations. *Clean and lightly abraded to provide for a mechanical bond.

Technical Data:

- A. Base: Latex Resin
- B. Color: White
- C. Freeze-Thaw Stable to 15°F. Frozen material should be allowed to thaw at room temperature. DO NOT agitate or stir while frozen. Stability and spread-ability can be reduced if frozen. For best results, do not allow the adhesive to freeze.
- D. Clean-up: wet adhesive with warm water, dry adhesive with AAT-197 Adhesive Remover
- E. Sizes: 1 gallon and 4 gallon pail
- F. It is essential that good adhesive contact be achieved. A 100% transfer of floor adhesive into the carpet backing while maintaining full coverage of the sub-floor must be obtained. On stiff backings or on backings that have curling tendencies, the flooring should be laid into the adhesive immediately after spreading and laid open for up to 30 minutes before reapplying to the sub-floor. This method insures adhesive transfer to improve installation results.

Typical Trowels and Approximate Coverage Rates:

Carpet

1/8 x 1/8 x 1/8 V-Notch
108 sq. ft. /gal

Sheet Vinyl

1/16 x 1/16 x 1/6 V-Notch
180 sq. ft. /gal



MATERIAL SAFETY DATA SHEET

NPCA HMIS

H = 1

F = 0

PH = 1

Prepared by: Howard Burchett, JR

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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
Product Class: Floor Covering Adhesive
Manufacturer's Code Identification: AAT-390
Trade Name: Outdoor Adhesive (Latex Based)

SECTION II — HAZARDOUS INGREDIENTS

None

SECTION III — PHYSICAL DATA

Boiling Range: > 212°F
Vapor Density/Evaporation Rate: Same as Water
Percent Volatile by Volume: 25-30%
VOC Emission: 0 g/l (calculated per Ca. South Coast Rule 1168)

SECTION IV — FIRE AND EXPLOSION HAZARD 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: None
Special Fire Fighting Procedures: None

SECTION V — HEALTH HAZARD DATA

Threshold Limit Value: Non-Established
Effects of overexposure: May cause eye and skin irritation after prolonged exposure.
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: Carbon Monoxide and Carbon Dioxide by thermal decomposition
Hazardous Polymerization: Will not occur

SECTION VII — SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Collect in suitable container. Wash area with plenty of soapy water.
Waste Disposal Method: Landfill in accordance with local, state, and federal regulations.

SECTION VIII — SPECIAL PROTECTION INFORMATION

Respiratory Protection: Proper ventilation
Ventilation: Forced air
Protective Gloves: Impervious gloves
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.