



Advanced Adhesive Technologies, Inc.

AAT-260 Premium Adhesive Specification Sheet

Description

AAT-260 Premium is a latex-based, non-flammable adhesive formulated for the installation of direct glue-down carpets and other types of floor covering. It is specifically formulated for the direct glue-down of stiff and “boardy” carpets that have a tendency to curl or spring up after installation. AAT-260 adhesive remains tacky for an extended period, and has excellent rebonding capabilities. 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 wet and dry state.

Uses:

AAT-260 is recommended for the following installations:

1. Carpets: woven polypropylene backs (ActionBac®, hot melt, etc.) latex unitary, urethane foam-backed (Enhancer® I,II,III,IV and Durafoam), rubber backs, woven and needlepunch, jute
2. Resilient flooring (Because of its non-staining characteristics, AAT-260 can be used to install the following:
 - a. VCT (vinyl composition tile)
 - b. Mineral, paper, or felt backed sheet goods
3. Acoustical cork underlayments



NOTE: This adhesive is not recommended for pure vinyl backed sheet goods or carpets

Subfloor Surfaces

1. Above, on, and below grade concrete (max. moisture emission rate of 5 lbs./1000 sq ft/24 hours, max sub-floor RH 85% and a max. pH of 7-9.0)
2. Underlayments
 - a. Underlayment grade plywood
 - b. Hardboard
 - c. Existing resilient floors (must be well bonded, sound, smooth, and free of all waxes, finishes, strippers, and cleaners)
 - d. Ceramic Tile, Terrazzo, and Marble (smooth or glazed surfaces must be abraded).

Specific Technical Data

- Latex-resin emulsion
- Open Time: 15-30 minutes (varies with temperature, wind and relative humidity)
- Freeze-Thaw stable
- Clean-up: wet adhesive with warm water, dry adhesive with AAT-197 Adhesive Remover
- Sizes: 1 gallon and 4 gallon pail

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Typical trowel and approximate coverage

Sheet Vinyl	Carpet	Unitary
1/16" x 1/16" x 1/16" sq. notch	1/8 x 1/8 x 1/8 U notch	1/8 x 1/8 x 1/16 U notch
125-150 sq. ft. /gal	90-110 sq. ft. /gal	45-55 sq.ft./gal

Installation Recommendations:

Prior to the start of the installation the installer must determine that the job-site conditions meet or exceed all applicable standards of the floorcovering manufacturer and AAT. The sub-floor should be prepared according to the standards and practices set forth in the document ASTM F-710-08. 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.

1. Flooring materials and adhesive must be stored in a pre-heated building where room temperature should be no less than 65°F for a minimum of 24 hours before the installation begins. Adequate ventilation should be available at the installation site. The HVAC system for the building should provide a consistent air temperature of 65°-75°F and relative humidity levels should be between 35-55% for a minimum of 48 hours prior to and for 72 hours following the installation. The temperature of the sub-floor should be 65°- 90°F during the installation. Do not allow the temperature of indoor carpeted areas to fall below 50°F, regardless of the age of the installation.
2. Subfloors must be cleaned, free of dust. Dirt, grease, wax, paint, curing or parting agents or any other substance that may affect the bond. Concrete floors must be level, flat, and smooth. Concrete sub-floors must be dry with moisture emission rates that do not exceed 5 lbs. /1000 sq. ft. /24 hrs. as measured by using the Anhydrous Calcium Chloride Test, ASTM-F1869-0). The relative humidity of the slab must be 85% or less according to the In Situ Relative Humidity ASTM-F2710-02. The pH must be 7.0-9.0. Very porous sub-floors must be primed with AAT-570.
3. Typical Trowel Recommendation: sheet vinyl-1/16" x 1/16" x 1/16" sq. notch (125-150 sq.ft./gal); carpet-1/8" x 1/8" x 1/8" U notch (90-110 sq.yds./gal); Unitary-1/8" x 1/8" x 1/8" U notch (45-55 sq.yds/gal)
4. Allow the adhesive to tack properly and maintain proper trowel notch throughout entire installation. Temperature and relative humidity will affect the tack and working time of the adhesive. Occasionally, lift the carpet to assure that a 100% adhesive transfer is achieved.
5. Seal seams and edges with an appropriate seam adhesive to prevent raveling and to maintain the appearance of the carpet. (i.e. AAT-181, AAT-125)
6. Lay floorcovering into the adhesive as to minimize air bubbles and wrinkles.
7. Roll flooring to ensure adequate transfer (Resilient-75-100 lbs.; Carpet-50-75 lbs.) Roll from centers to edges, forcing out air pockets.



February 11, 2013 (Replaces May 2011)

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Safety Data Sheet

Print Date: May 13, 2015

1. Identification

- **Product Name:** AAT-260
- **Product Use:** Premium Adhesive
- **Manufacturer:** Advanced Adhesive Technologies, Inc.
424 South Spencer Street
Dalton, GA 30721
800-228-4583
- **Emergency telephone number:** Chemtrec 1-800-424-9300

2. Hazard(s) identification

- **Classification of the substance or mixture**

This product does not meet the criteria for classification as hazardous under the GHS and 29 CFR 1910.1200

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA rating (scale 0 – 4)**

Health = 1
Fire = 0
Reactivity = 0



- **HMIS-rating (scale 0 – 4)**

Health = 1
Fire = 0
Physical Hazard = 0

3. Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Adhesive
- **Dangerous components:**
No hazardous/reportable components

Cas # 7732-18-5	Water	31-48%
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- **Trade name:** Masterbond 188

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4. First-aid measures

- **Description of first aid measures**
- **After inhalation:** Overexposure, remove to fresh air and seek medical attention.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available

5. Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substances or mixture:** Dried solids can burn and release toxic fumes and vapors.
- **Advice for firefighters**
- **Protective equipment:** Protective clothing and respiratory protective device.

6. Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **Environmental precautions:** Dilute with water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)
Wash area thoroughly with water.
Dispose of contaminated material as waste in accordance with federal state and local regulations.
Ensure adequate ventilation.
- **Reference to other sections**
See section 7 for information on safe handling
See section 8 for information on personal protection equipment
See section 13 for disposal information

7. Handling and storage

- **Precautions for safe handling**
Avoid prolonged or repeated contact with skin.
Avoid contact with eyes.
Wash thoroughly after handling.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by store rooms and receptacles:**
Store above 40 °F. Freeze-thaw stable up to five cycles at 20 °F.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:** Protect product from freezing.
- **Specific end use(s)** No further relevant information available.

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8. Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
This product does not contain any relevant quantities of materials with critical values that have to monitor at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment (see listings below)**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not necessary if room is well-ventilated
- **Protection of hands:** Protective gloves
The glove material has to be impermeable and resistant to the product/the substance/ the preparation.
- **Material of gloves:** natural rubber
- **Eye protection:** Safety glasses with side shields
- **Body protection:** Protective work clothing

9. Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form: Heavy paste
 - Color: Tan to light beige
- **Odor:** Resinous
- **Odour threshold:** Not determined
- **pH-value at 20°C (68°F):** 9.3-10.8
- **Change in condition**
 - Melting point: Undetermined
 - Boiling point: 212°F (100°C)
- **Flash point:** Not applicable
- **Flammability (solid, gaseous):** Not applicable
- **Ignition temperature:**
 - Decomposition temperature: Not determined
- **Auto igniting:** Product is not self igniting
- **Danger of explosion:** Product does not present an explosion hazard.
- **Flammable limits:**
 - Lower: Not determined
 - Upper: Not determined
- **Specific gravity at 20°C (68°F):** 1.02 – 1.26
- **Relative density:** Not determined
- **Vapour density:** Not determined
- **Evaporation rate:** Slower than ether
- **Solubility in/Miscibility with**

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- Water:** Miscible in water, difficult to mix
- **Solvent content:**
 - Organic solvents:** 0.0%
 - Water:** 31-48%
 - **Other information:** California VOC Compliance:
Solvent Free Product
SCAQMD Rule 1168: VOC compliant

10. Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11. Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** May irritate the skin
 - **on the eye:** May irritate the eye
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories:**

• IARC (International Agency for Research on Cancer)
None of the ingredients is listed
• NTP (National Toxicology Program)
None of the ingredients is listed
• OSHA-Ca (Occupational Safety & Health Administrations)
None of the ingredients is listed

12. Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Other adverse effects:** No further relevant information available.

13. Disposal Considerations

- **Waste treatment methods**
- **Recommendation:** Comply with current regulations
- **Uncleaned packaging:**
- **Recommendation:** Comply with current regulations.

14. Transport information

• Un-Number	
• DOT, ADR, AND, IMDG, IATA	Not regulated
• UN proper shipping name	
• DOT, ADR, AND, IMDG, IATA	Not regulated
• Transport Hazard class (es)	
• DOT, ADR, AND, IMDG, IATA	
• Class	Not regulated
• Packing group	
• DOT, ADR, IMDG, IATA	Not regulated
• Environmental hazards:	Not applicable
• Special precautions for user	Not applicable
• Transport in bulk according to Annex II of MARPOL73/45 and the IBC Code	Not applicable
• Transport/Additional information:	DOT, ADR, IMDG, IATA – Not regulated in transport. Not dangerous according to the above specifications.
• UN "Model Regulation":	

15. Regulatory information

- **Safety, health and environmental regulation/legislation specific for the substance or mixture**
- **Sara**

• Section 355 (extremely hazardous substances):
None of the ingredients is listed
• Section 313 (Specific toxic chemical listings):
None of the ingredients is listed
• TSCA (Toxic Substances Control Act):
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements,

- **Proposition 65**

• Chemicals known to cause cancer:
None of the ingredients is listed
• Chemicals know to cause reproductive toxicity:
None of the ingredients is listed

- **(DSL) Canada Domestic Substance List**

All components of this product are on the DSL (Canada Domestic Substance list) or are exempt from SDL requirements

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- **Carcinogenicity categories**

• EPA (Environmental Protection Agency)
None of the ingredients is listed
• TLV (Threshold Limit Value established by ACHIH)
None of the ingredients is listed
• NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed

16. Other information

Although the information and recommendations set forth in the SDS are presented in good faith and are believed to be correct as of the date of this SDS, AAT makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will AAT or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

Department issuing SDS: Environment protection department

Creation date: May 1, 2015