

Technical Data Sheet [TDS]

**AAT-500 Mounting & Repair Adhesive**

AAT-500 is a repair adhesive for wood flooring and synthetic turf installations, over any sub-floor or seaming tape. It is also suitable for installation of molding, stair ledges, treads, or any product that requires a moisture cured urethane for permanent fixation.

**Pre-Installation Checklist:** A successful installation requires proper preparation of the sub-floor. Read and understand all applicable guidelines and the TDS before beginning installation. Follow industry standards and flooring manufacturer’s recommendations for sub-floor preparation, design, layout and application of flooring materials.

**Sub-Floor Prep:** Prior to installation, the sub-floor must be checked according to national standards. It must be sound, flat, free of indentations as well as resistant to pressure and tension.

**Installation Procedure:** Spread adhesive using a caulking gun. Install material immediately and press down firmly.

**Limitations:** Do not install during rain. In case of accident, injury, spill or exposure, see SDS sheet for information.

**General Features:** moisture cured urethane, LEED qualified, contains no water, contains no solvents, contains no VOC, nonflammable, high solids content, isocyanate based urethane for strong bond, Freeze/thaw stable.

**Installation Features:** grabs quicker, less slippage, wet lay - no flash time required, superior green grab, bridges normal sub floor variations, very low odor, cleans with acetone, dries quickly, higher temp & RH will shorten drying time.

**Long Term Features:** resistant against aging, remains elastic, suitable for radiant heat systems, adhesive is waterproof when cured, eliminates hollow spots.

**Approved Flooring:** Engineered Wood Flooring, Ceramic & Stone, Synthetic Turf, Wall/Cove base, Strip Flooring , Shorts, Planks, Parquet , Bamboo Flooring (except Stranded Bamboo)

**Approved Sub Floors:** Concrete Slabs, OSB (underlayment grade), Plywood (underlayment grade), Ceramic Tiles , Stone, Terrazzo, Cured Leveling Compounds, Radiant Heated Sub Floors, Seaming Tape, Metal Floors, Asphalt, Epoxy Sealers (100% solid, cured), Drywall, Plaster

Open Time	30% R/H	50% R/H	80% R/H
50°F/10°C	25 mins	20 mins	15 mins
70°F/21°C	20 mins	15 mins	10 mins
90°F/32°C	15 mins	10 mins	5 mins

**Cure Time until Normal Traffic:** approx. 30 mins.

**Clean-Up:** Remove uncured adhesive with acetone. Cured adhesive will be difficult to remove, therefore, take care to remove adhesive from the surface of the flooring before it cures. Do not apply the acetone directly to the flooring material. Test on a scrap piece of flooring to ensure that the solvent does not affect the floor’s finish.

**Site Conditions:** 32-100°F, 20-90 % humidity

**VOC (calculated) [g/L]:** 0 g/L

**Storage:** Store in a dry area

**Shelf Life:** 12 Months in original, unopened container

**Packaging:** 10.3oz tube, 30 per case

424 S. Spencer St. Dalton, GA 30721

(800)AAT-GLUE

aatglue.com

Printing date 06/07/2019

Reviewed on 06/07/2019

## 1 Identification

- **Product identifier**
- **Trade name:** AAT-500
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Advanced Adhesive Technologies LLC  
424 South Spencer Street  
Dalton, GA 30721  
Tel: 800-228-4583  
Fax: 706-278-6207
- **Emergency telephone number:** CHEMTREC 1-800-424-9300 (USA) 1-703-527-3887 (International)

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labeling:**  
Silyl-terminierter Polyether
- **Hazard statements**  
H315 Causes skin irritation.  
H318 Causes serious eye damage.
- **Precautionary statements**  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves / eye protection / face protection.  
P302+P352 If on skin: Wash with plenty of water.  
P310 Immediately call a poison center/doctor.  
P321 Specific treatment (see on this label).  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P332+P313 If skin irritation occurs: Get medical advice/attention.

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Printing date 06/07/2019

Reviewed on 06/07/2019

**Trade name:** AAT-500

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- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 1  
Reactivity = 1

- **WHMIS-ratings (scale 0 - 4)**



Health = 1  
Fire = 1  
Reactivity = 1

- **Results of PBT and vPvB assessment**
- *PBT*: Not applicable.
- *vPvB*: Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

75009-88-0	Silyl-terminierter Polyether	2.5-10%
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complications.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
Immediately rinse with water.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Information for doctor:**
  - *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:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.

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- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation  
Wear protective clothing.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**  
No dangerous substances are released.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

13822-56-5	3-(trimethoxysilyl)propylamine	30 mg/m <sup>3</sup>
2768-02-7	trimethoxyvinylsilane	9.5 ppm

- **PAC-2:**

13822-56-5	3-(trimethoxysilyl)propylamine	330 mg/m <sup>3</sup>
2768-02-7	trimethoxyvinylsilane	100 ppm

- **PAC-3:**

13822-56-5	3-(trimethoxysilyl)propylamine	2,000 mg/m <sup>3</sup>
2768-02-7	trimethoxyvinylsilane	120 ppm

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
  - *Requirements to be met by storerooms and receptacles:* No special requirements.
  - *Information about storage in one common storage facility:* Not required.
  - *Further information about storage conditions:*  
Store in dry conditions.  
Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- *Additional information:* The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
  - *General protective and hygienic measures:*  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.
  - *Breathing equipment:*  
Not necessary if room is well-ventilated.  
Use suitable respiratory protective device in case of insufficient ventilation.
  - *Protection of hands:*



Protective gloves

- *Material of gloves* Butyl rubber, BR
- *Eye protection:*



Tightly sealed goggles

- *Body protection:* Protective work clothing

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- *Appearance:*

Form:	Solid
Color:	Grey
- *Odor:* Weak, characteristic
- *Odor threshold:* Not determined.
- **pH-value:** Not determined.
- **Change in condition**

Boiling point/Boiling range:	Undetermined.
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- **Flash point:** >94 °C (>201.2 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 355 °C (671 °F)
- *Decomposition temperature:* Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.

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- **Explosion limits:**
  - Lower:* Not determined.
  - Upper:* Not determined.
- **Vapor pressure:** Not determined.
- **Density at 20 °C (68 °F):** 1.5 g/cm<sup>3</sup> (12.5175 lbs/gal)
- *Relative density* Not determined.
- *Vapor density* Not determined.
- *Evaporation rate* Not determined.
- **Solubility in / Miscibility with**
  - Water:* Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:* Not determined.
  - Kinematic:* Not determined.
- **Solvent content:**
  - VOC Content:* 0.00 %
  - 0.00 %
- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **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:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
  - *Primary irritant effect:*
  - *on the skin:* No irritant effect.
  - *on the eye:* Strong irritant with the danger of severe eye injury.
  - *Sensitization:* No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant
- *Carcinogenic categories*

· <i>IARC (International Agency for Research on Cancer)</i>
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None of the ingredients is listed.
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· <i>NTP (National Toxicology Program)</i>
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None of the ingredients is listed.
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· OSHA-Ca (Occupational Safety & Health Administration)

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.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** If product has aged or solidified conventional means of disposal are acceptable.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **UN-Number**
  - DOT, ADR, ADN, IMDG, IATA
  - UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA
  - **Transport hazard class(es)**
  - DOT, ADR, ADN, IMDG, IATA
  - **Class**
  - **Packing group**
  - DOT, ADR, IMDG, IATA
  - **Environmental hazards:**
  - **Marine pollutant:**
  - **Special precautions for user**
  - **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  - **UN "Model Regulation":**
- |  |                 |
|--|-----------------|
|  | Void            |
|  | Void            |
|  | Void            |
|  | Void            |
|  | No              |
|  | Not applicable. |
|  | Not applicable. |
|  | Void            |

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## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· *Sara*

· *Section 355 (extremely hazardous substances):*

None of the ingredient is listed.

· *Section 313 (Specific toxic chemical listings):*

None of the ingredients is listed.

· *TSCA (Toxic Substances Control Act):*

1317-65-3	calciumcarbonate	ACTIVE
216597-12-5	Trimethoxysilylpropylcarbamate-terminierter	ACTIVE
13822-56-5	3-(trimethoxysilyl)propylamine	ACTIVE
123-26-2	N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)	ACTIVE
2768-02-7	trimethoxyvinylsilane	ACTIVE
125643-61-0	A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl) propionate	ACTIVE

· *Hazardous Air Pollutants*

None of the ingredients is listed.

· *Proposition 65*

· *Chemicals known to cause cancer:*

None of the ingredients is listed.

· *Chemicals known to cause reproductive toxicity for females:*

None of the ingredients is listed.

· *Chemicals known to cause reproductive toxicity for males:*

None of the ingredients is listed.

· *Chemicals known to cause developmental toxicity:*

None of the ingredients is listed.

· *Canadian Ingredient disclosure list*

· *Limit 0,1%*

None of the ingredients is listed.

· *Limit 1%*

None of the ingredients is listed.

· *Carcinogeny categories*

· *EPA (Environmental Protection Agency)*

None of the ingredients is listed.

· *TLV (Threshold Limit Value established by ACGIH)*

None of the ingredients is listed.

· *MAK (German Maximum Workplace Concentration)*

None of the ingredients is listed.

· *NIOSH-Ca (National Institute for Occupational Safety and Health)*

None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Contact:** Tel: 800-228-4583
- **Date of preparation / last revision** 06/07/2019 / 22
- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

US