



Technical Data Sheet [TDS]

AAT-160 Dynamic Joint Filler

Description:

AAT-160 is a premeasured 2 component filler used for filling dynamic or moving sub-floor joints. It is ideal for filling joints of any width. Easy mixing and fast curing make it extremely easy to use. May be used in premeasured containers as an entire mix or may be mixed in partials for amount needed. AAT-160 remains permanently elastic, is quick setting and cures within one hour.

A successful installation requires proper preparation of the sub-floor. Read and understand all applicable guidelines and technical data sheets before installation. Follow industry standards and flooring manufacturer's recommendations for sub-floor moisture content, design, layout and application of flooring materials. All sub-floor constructions must meet the specific requirements of the floor covering to be installed.

Approved sub-floors includes: concrete [max. 25# MVER/100% *in situ* RH], underlayment grade OSB, APA underlayment plywood and asphalt. AAT-160 is suitable for use with radiant heat systems.

Prior to installation, the sub-floor must be checked according to applicable installation guidelines. The sub-floor must be structurally sound, permanently dry, clean, free of chaps and bond inhibitors, as well as, resistant to pressure and tension. Moisture content of all floors must be measured before installation.

The condition of the sub-floor will determine which type of mechanical treatment is required (e.g. wire brushing, sanding, grinding or shot blasting). Dust, paint, curing compounds, sealers, residual adhesives or other surface pollutants MUST be removed by suitable means. Extent of sub-floor preparation can only be determined at the site by the installer. Clean the surface with an industrial vacuum cleaner, tack or damp mop floor before application. Do not use sweeping compounds as most will contain oil or wax which will act as a bond inhibitor and prevent primers, sealers, leveling compounds, coatings and/or adhesives from bonding to the concrete. Cracks and gaps must be treated prior to application of primers, sealers, leveling compounds, coatings and/or adhesives.

Mixing of Components

Pour all of the curing agent from the small bottle into the pail. Mix thoroughly with drill motor and paddle for 60 seconds. Partial containers can be mixed in a separate container. Mix partial joint filler with appropriate partial amount of curing agent and mix for 60 seconds. Remaining joint filler must be tightly resealed to preserve compound for additional applications.

Installation Procedure

For dynamic joints over 1/2" deep insert backer rod into crack and counter sink at least 1/2" below primary surface. Pour the dynamic joint filler into the crack immediately after mixing and smooth out surface with a flat trowel. Observe pot life during application. Temperature must be 50°F-90°F and the relative humidity must be 20%-90% when placing the joint filler.

Specific Technical Data:

- . Coverage: @ 1/2" x 1/2": up to 77 LF/gal
- . Very low odor, solvent and isocyanate free, nonflammable
- . Color: yellow/tan
- . Pot Life: approximately 20 minutes @ 70°F
- . Packaging: 1 gallon pail [net 0.75 gallon], 4 per case, includes 2oz bottle of hardener
- . Shelf-Life: Six months from date of manufacture in un-opened container when stored at 70°F.
- . Store in a cool, dry place. Keep the container tightly sealed when not in use.
- . VOCs: 0 g/l (Calculated per Ca. Rule 1168)

October 7, 2020

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1 Identification

- **Product identifier**
- **Trade name:** AAT-160
- *Application of the substance / the mixture* Sub Floor Prep
- **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

Skin Corr. 1A H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.

- **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*
H314 Causes severe skin burns and eye damage.
- *Precautionary statements*

P260	Do not breathe dusts or mists.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

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



Health = 3
Fire = 1
Reactivity = 0

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



Health = *3
Fire = 1
Reactivity = 0

- **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	50-100%
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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:** In case of unconsciousness place patient stably in side position for transportation.
- **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:** Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- **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:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.

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- **Advice for firefighters**
- **Protective equipment:** Mount respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
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.
Ensure adequate ventilation.
- **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 ³
2768-02-7	trimethoxyvinylsilane	9.5 ppm

- **PAC-2:**

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

- **PAC-3:**

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

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
No special measures required.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **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.

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- **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.
- **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:**
Do not eat or drink while working.
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:** Light beige
- **Odor:** Weak, characteristic
- **Odor threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
- **Boiling point/Boiling range:** 290 °C (554 °F)
- **Flash point:** 234 °C (453.2 °F)

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- **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.
- **Explosion limits:**
 - Lower:* 1.9 Vol %
 - Upper:* Not determined.
- **Vapor pressure at 20 °C (68 °F):** 0 hPa
- **Density at 20 °C (68 °F):** 1.25 g/cm³ (10.43125 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 at 20 °C (68 °F):* 15,000 mPas
 - 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:* Caustic effect on skin and mucous membranes.
 - *on the eye:*
 - Strong caustic effect.
 - Strong irritant with the danger of severe eye injury.
- *Sensitization:* No sensitizing effects known.

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· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· *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 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** Void

· **UN proper shipping name**

· **DOT, ADR, ADN, IMDG, IATA** Void

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

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
13822-56-5	3-(trimethoxysilyl)propylamine	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.

- *Cancerogenity categories*

- *EPA (Environmental Protection Agency)*

None of the ingredients is listed.

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· **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.

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** 11/11/2020 / 19

· **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 Corr. 1A: Skin corrosion/irritation – Category 1A

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

US