



Aussie Gas-Lock 420™

Epoxy Two-Component, Heavy Duty, High-Adhesion, Moisture, Methane and VOC Barrier

Sections 071800 / 071813
Fluid Applied Waterproofing

Product Name

Aussie Gas-Lock 420

Epoxy Two-Component, Heavy Duty, High-Adhesion, Moisture, Methane and VOC Barrier

By

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050
www.avmindustries.com

Product Description

Aussie Gas-Lock 420 is an epoxy two-component, heavy duty, high-adhesion, moisture, methane and voc barrier. This product has been specifically designed to block the intrusion of moisture, methane gas, and volatile organic compounds. 100% reactive solids, no solvents, no plasticizers, no fillers and zero VOC Emissions.

Advantages

- **Moisture/Vapor/VOC Barrier: Min 12 MILS DFT¹ (<3 Pounds MVER)**
- **Methane/Gas Barrier: Min 30 MILS DFT¹**
- Up to 15-year material warranty
- 100% reactive solids
- Zero VOC Emissions and No Odor
- No upper limit for moisture or alkalinity
- Spreads easily, self-leveling
- Over 20 years of performance history
- Fast Cure
- Only product ASTM tested and proven to be a methane barrier

Where to Use

Aussie Gas-Lock 420 is ideal for sealing out harmful methane gases, moisture and harmful VOCs when retrofitting existing structures. Ideal for repurposing warehouses, garages, or formally unoccupied spaces into occupied spaces. **Aussie Gas-Lock 420** installs quickly and cures quickly, allowing the team to maintain schedule and install practically any finished flooring desired.

In addition, the product can be used to seal green concrete and allow for membrane/coating applications sooner than the required 28 days concrete cure time when used in conjunction with other coatings such as our AVM Hot Rubber 570, our Deck Coatings, our Polyurethane 520, our Aussie Membrane 500 and our Under-Tile membranes.

Warranty

AVM industries will warrant the installed membrane for up to fifteen (15) years. For complete warranty details, contact AVM industries or consult with your applicator.

¹ DFT: Dry Film Thickness

Delivery, Storage, and Handling

- Delivery of the **Aussie Gas-Lock 420** materials to the job site must be in their original sealed containers, with manufacturer's name and label intact.
- Handle and store containers and bags in accordance with printed instructions.
- Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain.
- Keep all materials out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. IF irritation continues, see a physician immediately.

Preparation of Concrete

The substrate must be absorbent to apply **Aussie Gas-Lock 420**. After substrate preparation, conduct a Water Drop Test on the substrate per ASTM F3191 to determine and document absorbency of the material into the concrete substrate. If the water drop does not penetrate the concrete within a minute of being placed on the surface of the profiled substrate, there may be potential bond breakers that still need to be removed through additional prep.

Note: Shotblasting is the preferred method for surface preparation. If grinding is performed, it must deliver a consistent dust-free profile. Please refer to ICRI Tech Guide No 310.2R-13 for complete preparation details.

Existing Concrete: Remove all existing coatings, sealers, coverings, roofing materials, etc. Using best mechanical means. Prepare concrete to a CSP-4 per ICRI CSP profiles

New Concrete: Prepare concrete to a CSP-3 profile.

When finished shotblasting or grinding remove all fugitive shot, dust and debris from prepared surface.

Concrete requirements before coating

The concrete must comply with ASTM F710, ASTM F3010, ASTM F3191 and ACI 302.R. In addition, the concrete must be absorbent and pass the Water Drop Test per ASTM F3191. The concrete must have a minimum 200 psi tensile (ASTM C1583/C1583M - 20) and 3000 psi compressive strength (ASTM D7234)

Installation Conditions

The area to be coated must be climatized. If the indoor space is not climatized please ensure the next two steps are monitored with appropriate tools such as a digital hygrometer and infrared thermometer.

1. Ambient Temperatures must be within 40°F - 90°F



2. The concrete substrate temperature must be at least 5°F above the ambient dew point to avoid/reduce the risk of condensation. Condensation may cause adhesion failure or "amine blushing" on the product finish.
3. Ambient Temperatures must be steady and/or falling.
4. Do not apply if rain, high relative humidity or extreme temperature changes are expected during mixing, application or cure time.

Installation Instructions

Pour entire contents of Part B (Hardener) into Part A (Resin) and mix for 3 minutes using a 300-400 RPM drill with Jiffy mixer attachment.

Immediately after mixing, pour entire contents of pail onto substrate (pot life is short, 10-20 minutes). Spread the material using a flat or 30 mils notched squeegee to deliver a minimum 30 mils coat. Back-roll the material using a 3/8" nap roller to ensure even coverage. (Use only roller covers that are lint-free and suitable for epoxies). The epoxy coating may also be applied in two thinner coats totaling a minimum 30 mils.

Cure time will take approximately 4 hours between coats. Protect the area from moisture, dirt, dust, and foot traffic during the cure time. A maximum 7 days is allowed between coats. If coating with another system, that system must be compatible and installed within 72 hours of original installation.

Quality Control

- a. Visually inspect all coated surfaces to ensure a full and proper coating application, especially at the corners, drainage scuppers and other hard-to-reach areas.
- b. All unsatisfactory areas shall be re-coated before proceeding with other coatings.

Technical Services

Technical services are available by contacting our offices at: **888.414.1041** or **818.888.0050** or visit **www.avmindustries.com**

System Specifications

See next page.

Product Specifications

The following coverages are based on controlled tests. Actual coverages may vary.

Application Properties	
Pot Life (45°F/75°F/90°F)	20 mins/15 mins/7 mins
Curing Time / Light Foot Traffic (45°F/60°F/75°F/90°F)	12 hours/8 hours/4 hours/-3 hours
Minimum Recoat Time (45°F/60°F/75°F/90°F)	12 hours/8 hours/4 hours/-3 hours
Maximum Recoat Time (without light sanding) (45°F/60°F/75°F/90°F)	72 hours or by manufacturers guidelines on recoat windows
Full Cure - Full Chemical Resistance and Supports Heavy/Rolling	5-7 Days
Substrate Temperature	40°F-90°F
Application Humidity Dew Point	Slab Temperature + 5°F Above Dewpoint
Concrete Surface Profile (Consult ICRI 310.2R.13)	CSP-3 (New Concrete); CSP-4 (Existing Concrete)
Shore D Hardness	82 at 48 Hours
Mold Resistance	Does not Promote Mold Growth per ASTM G21

Technical Data	Results	Test Criteria
Mixing Ratio (A:B by Volume)	2.43:1	
Density (75°F)	1.10 g/cm ³	
Volume solids	100%	
VOC Emissions	0.000 g/l	CA Department of Public Health CDPH/EHLB/ Standard Method Version 1.1
VOC Content	0.000 g/l	Calculated
Bond Strength to Concrete	>480 psi	ASTM D7234
Compressive Strength	14,500 PSI	ASTM D-1621
Tensile Strength	4300 PSI	ASTM D 412
flash Point	>212°F	Calculated
Shore D Hardness	82 at 48 hours	Calculated
Alkalinity Tolerance	>PH of 14	ASTM F1869
Mold Resistance	Does not Promote Mold Growth per ASTM G21	ASTM G21
Vapor Mitigation	0.072 perms	ASTM E96-10
Vapor Barrier MVER @ 12 Milis	0.072 Perms	ASTM F3010
Methane Gas Transmission Rate @ 18 mils	103 mL/day*m ² *atm)	ASTM D 1434
Methane Gas Transmission Rate @ 30 mils	Value is below limit of detection	ASTM D 1434

Approximate Coverage Rates	Standard 2.4 Gallon Kit
First thin coat to control pin-holing	480 sq ft per unit
10 mils	384 sq ft per kit
12 mils	320 sq ft per kit
15 mils	288 sq ft per kit
20 mils	192 sq ft per kit
30 mils	132 sq ft per kit
40 mils	96 sq ft per kit

For a complete list of details in CAD or PDF, please visit our website at www.avmindustries.com.

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050

Quality Waterproofing Products



www.avmindustries.com

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : Aussie Gas-Lock 420 Part A

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Chemical product for construction and industry.

1.3. Supplier

AVM Industries, Inc.
 8245 Remmet Ave
 Canoga Park, CA 91304
 Tel: 818-888-0050
 Fax: 818-888-0030
 www.avmindustries.com

1.4. Emergency telephone number

Chemtrec (800) 424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2 H315
 Eye Irrit. 2A H319
 Skin Sens. 1 H317
 Aquatic Chronic 2 H411

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.
 H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS US) :

P261 - Avoid breathing mist, dust.
 P264 - Wash hands, forearms and face thoroughly after handling.
 P272 - Contaminated work clothing must not be allowed out of the workplace.
 P273 - Avoid release to the environment.
 P280 - Wear eye protection, protective gloves, protective clothing, respiratory protection.
 P302+P352 - If on skin: Wash with plenty of soap and water.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P321 - Specific treatment (see first aid instructions on this label).
 P332+P313 - If skin irritation occurs: Get medical advice/attention.
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P362+P364 - Take off contaminated clothing and wash it before reuse.
 P363 - Wash contaminated clothing before reuse.
 P391 - Collect spillage.
 P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

2.3. Other hazards which do not result in classification

No additional information available

Aussie Gas-Lock 420 Part-A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Bisphenol A-epichlorohydrin polymer	(CAS-No.) 25068-38-6	60 – 80
Formaldehyde, polymer with (chloromethyl)oxirane and phenol	(CAS-No.) 9003-36-5	10 – 30
Alkyl (C12-14) glycidyl ether	(CAS-No.) 68609-97-2	5 – 10
1,6-bis(2,3-epoxypropoxy)hexane	(CAS-No.) 16096-31-4	5 – 10

*In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret.

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.
- First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.
- First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.
- First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : May cause an allergic skin reaction. Causes serious eye irritation. Causes skin irritation.
- Symptoms/effects after inhalation : May cause respiratory irritation.
- Symptoms/effects after skin contact : May cause an allergic skin reaction. Causes skin irritation.
- Symptoms/effects after eye contact : Causes serious eye irritation.
- Symptoms/effects after ingestion : May cause gastrointestinal irritation.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry chemical. Carbon dioxide (CO₂).
- Unsuitable extinguishing media : Water jet.

5.2. Specific hazards arising from the chemical

- Fire hazard : Not flammable.
- Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

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6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Soak up with absorbent material, and place in non-leaking containers for proper disposal. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety procedures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in a dry, cool and well-ventilated place. Protect from sunlight. Storage at high temperatures should be avoided.

Storage temperature : Do not freeze

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Bisphenol A-epichlorohydrin polymer (25068-38-6)		
ACGIH	Remark (ACGIH)	OELs not established
OSHA	Remark (OSHA)	OELs not established
Alkyl (C12-14) glycidyl ether (68609-97-2)		
ACGIH	Remark (ACGIH)	OELs not established
OSHA	Remark (OSHA)	OELs not established
Formaldehyde, polymer with (chloromethyl)oxirane and phenol (9003-36-5)		
ACGIH	Remark (ACGIH)	OELs not established
OSHA	Remark (OSHA)	OELs not established
1,6-bis(2,3-epoxypropoxy)hexane (16096-31-4)		
ACGIH	Remark (ACGIH)	OELs not established
OSHA	Remark (OSHA)	OELs not established

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

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8.3. Individual protection measures/Personal protective equipment

Personal protective equipment symbol(s):



Personal protective equipment:

Gloves. Protective goggles. Protective clothing.

Hand protection:

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection:

Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection:

Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection:

Use NIOSH (or other equivalent national standard) -approved dust/particulate respirator. Where Vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Transparent
Odor	: Low
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 95 °C (>203°F)
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: Practically non-volatile
Relative Vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 1.1 g/cm ³
Molecular mass	: Mixture
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: ≈ 772.727 mm ² /s
Viscosity, dynamic	: 850 cP
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Reacts with strong acids and alkalis. Avoid amines, strong Lewis or mineral acids, strong oxidizing agents.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Poisonous Vapors or gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Bisphenol A-epichlorohydrin polymer (25068-38-6)

LD50 oral rat	11400 mg/kg
LD50 dermal rat	> 2000 mg/kg Source: CHEMIDPLUS

Alkyl (C12-14) glycidyl ether (68609-97-2)

LD50 oral rat	17100 mg/kg
LD50 dermal rabbit	> 3987 mg/kg

Formaldehyde, polymer with (chloromethyl)oxirane and phenol (9003-36-5)

LD50 oral rat	> 2 g/kg
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1,6-bis(2,3-epoxypropoxy)hexane (16096-31-4)

LD50 oral rat	300 – 2000 mg/kg
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Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: $\approx 772.727 \text{ mm}^2/\text{s}$
Symptoms/effects	: May cause an allergic skin reaction. Causes serious eye irritation. Causes skin irritation.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation.

SECTION 12: Ecological information

12.1. Toxicity

Bisphenol A-epichlorohydrin polymer (25068-38-6)

LC50 - Fish [1]	1.41 mg/l Source: National Institute of Technology and Evaluation
EC50 - Crustacea [1]	$\approx 2 \text{ mg/l}$ Test organisms (species): Daphnia magna

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Alkyl (C12-14) glycidyl ether (68609-97-2)	
LC50 - Fish [1]	0.002 mg/l Source: Ecological Structure Activity Relationships

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Bisphenol A-epichlorohydrin polymer (25068-38-6)	
Partition coefficient n-octanol/water (Log Pow)	2.821 Source: National Institute of Technology and Evaluation

12.4. Mobility in soil

Aussie Gas-Lock 420 Part A	
Mobility in soil	Insoluble in water

Alkyl (C12-14) glycidyl ether (68609-97-2)	
Mobility in soil	12830 Source: Quantitative Structure Activity Relation

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

- Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities.
No discharge to surface waters is allowed without an NPDES permit.
- Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea (IMDG)

Not applicable

Air transport (IATA)

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Epoxy Methane 420 Part A	
All chemical substances in this product are listed as "Active" in the EPA (Environmental Protection Agency) "TSCA Inventory Notification (Active-Inactive) Requirements Rule" ("the Final Rule") of Feb 2019, as amended Feb 2021 or are otherwise exempt, or regulated by other agencies such as FDA or FIFRA	
SARA Section 311/312 Hazard Classes	Health hazard - Respiratory or skin sensitization Health hazard - Serious eye damage or eye irritation Health hazard - Skin corrosion or Irritation

15.2. International regulations

No additional information available

15.3. US State regulations

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

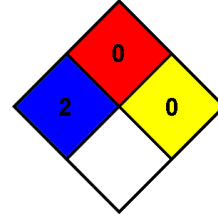
Aussie Gas-Lock 420 Part-A

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SECTION 16: Other information

Other information	: Author: JMM.
NFPA health hazard	: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard	: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.
HMIS Hazard Rating	
Health	: 2
Flammability	: 0
Physical	: 0



Indication of changes:
Revision 1.0: New SDS Created.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : Aussie Gas-Lock 420 Part B

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Chemical product for construction and industry

1.3. Supplier

AVM Industries, Inc.
 8245 Remmet Ave
 Canoga Park, CA 91304
 Tel: 818-888-0050
 Fax: 818-888-0030
 www.avmindustries.com

1.4. Emergency telephone number

Chemtrec (800) 424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Corr. 1B H314
 Eye Dam. 1 H318
 Skin Sens. 1 H317
 Repr. 2 H361
 Aquatic Chronic 2 H411

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

: Danger

Hazard statements (GHS US) :

: H314 - Causes severe skin burns and eye damage.
 H317 - May cause an allergic skin reaction.
 H318 - Causes serious eye damage.
 H361 - Suspected of damaging fertility or the unborn child.
 H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS US) :

: P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P260 - Do not breathe dust/fume/gas/mist/Vapors/spray.
 P261 - Avoid breathing mist, dust.
 P264 - Wash hands, forearms and face thoroughly after handling.
 P272 - Contaminated work clothing must not be allowed out of the workplace.
 P273 - Avoid release to the environment.
 P280 - Wear eye protection, protective gloves, protective clothing, respiratory protection.
 P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
 P302+P352 - If on skin: Wash with plenty of soap and water.
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P308+P313 - If exposed or concerned: Get medical advice/attention.
 P310 - Immediately call poison center/doctor/...
 P321 - Specific treatment (see first aid instructions on this label).
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P363 - Wash contaminated clothing before reuse.

Aussie Gas-Lock 420 Part-B

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P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
1,3-Benzenedimethanamine	(CAS-No.) 1477-55-0	10 – 30
4-tert-Butylphenol	(CAS-No.) 98-54-4	5 – 10

*In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret.

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : May cause an allergic skin reaction.

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : Direct contact with eyes is likely to be irritating.

Symptoms/effects after ingestion : May cause gastrointestinal irritation.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry chemical. Carbon dioxide (CO₂).

Unsuitable extinguishing media : Water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Not flammable.

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Soak up with absorbent material, and place in non-leaking containers for proper disposal. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety procedures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in a dry, cool and well-ventilated place. Protect from sunlight. Storage at high temperatures should be avoided.

Storage temperature : Do not freeze

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1,3-Benzenedimethanamine (1477-55-0)		
ACGIH	ACGIH OEL C	0.1 mg/m ³
OSHA	OSHA PEL C	0.1 mg/m ³ Vacated

4-tert-Butylphenol (98-54-4)		
ACGIH	Remark (ACGIH)	OELs not established
OSHA	Remark (OSHA)	OELs not established

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

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8.3. Individual protection measures/Personal protective equipment

Personal protective equipment symbol(s):



Personal protective equipment:

Gloves. Protective goggles. Protective clothing.

Hand protection:

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection:

Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection:

Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection:

Use NIOSH (or other equivalent national standard) -approved dust/particulate respirator. Where Vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: light yellow
Odor	: Not available
Odor threshold	: No data available
pH	: 12
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 200 °C (392°F)
Flash point	: 100 °C (212°F)
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: Practically non-volatile
Relative Vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 1 g/cm ³
Molecular mass	: Mixture
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: 350 °C (662°F)
Decomposition temperature	: 100 °C
Viscosity, kinematic	: ≈ 700 mm ² /s
Viscosity, dynamic	: 700 cP
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

1,3-Benzenedimethanamine (1477-55-0)

LD50 oral rat	660 mg/kg
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LD50 dermal rabbit	2 g/kg
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LC50 Inhalation - Rat [ppm]	700 ppm/1h
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4-tert-Butylphenol (98-54-4)

LD50 oral rat	2990 mg/kg
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LD50 dermal rabbit	2318 mg/kg
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Skin corrosion/irritation : Causes severe skin burns.
pH: 12

Serious eye damage/irritation : Causes serious eye damage.
pH: 12

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : $\approx 700 \text{ mm}^2/\text{s}$

Symptoms/effects : May cause an allergic skin reaction.

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : Direct contact with eyes is likely to be irritating.

Symptoms/effects after ingestion : May cause gastrointestinal irritation.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

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12.4. Mobility in soil

Aussie Gas-Lock 420 Part B

Mobility in soil	Insoluble in water
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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities.
No discharge to surface waters is allowed without an NPDES permit.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea (IMDG)

Not applicable

Air transport (IATA)

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Aussie Gas-Lock 420 Part B

All chemical substances in this product are listed as "Active" in the EPA (Environmental Protection Agency) "TSCA Inventory Notification (Active-Inactive) Requirements Rule" ("the Final Rule"), as of Feb. 2019 or are otherwise exempt.

SARA Section 311/312 Hazard Classes	Health hazard - Respiratory or skin sensitization Health hazard - Reproductive toxicity Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation
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15.2. International regulations

Aussie Gas-Lock 420 Part B

All chemical substances in this product are listed as "Active" in the EPA (Environmental Protection Agency) "TSCA Inventory Notification (Active-Inactive) Requirements Rule" ("the Final Rule"), as of Feb. 2019 or are otherwise exempt.

15.3. US State regulations

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

Component	State or local regulations
1,3-Benzenedimethanamine (1477-55-0)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List
Trimethylhexamethylenediamine (25620-58-0)	U.S. - New Jersey - Right to Know Hazardous Substance List

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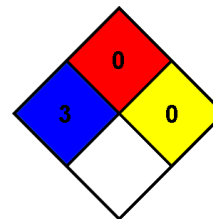
SECTION 16: Other information

Other information : Author: JMM.

NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



HMIS Hazard Rating

Health : 3
Flammability : 0
Physical : 0

Indication of changes:

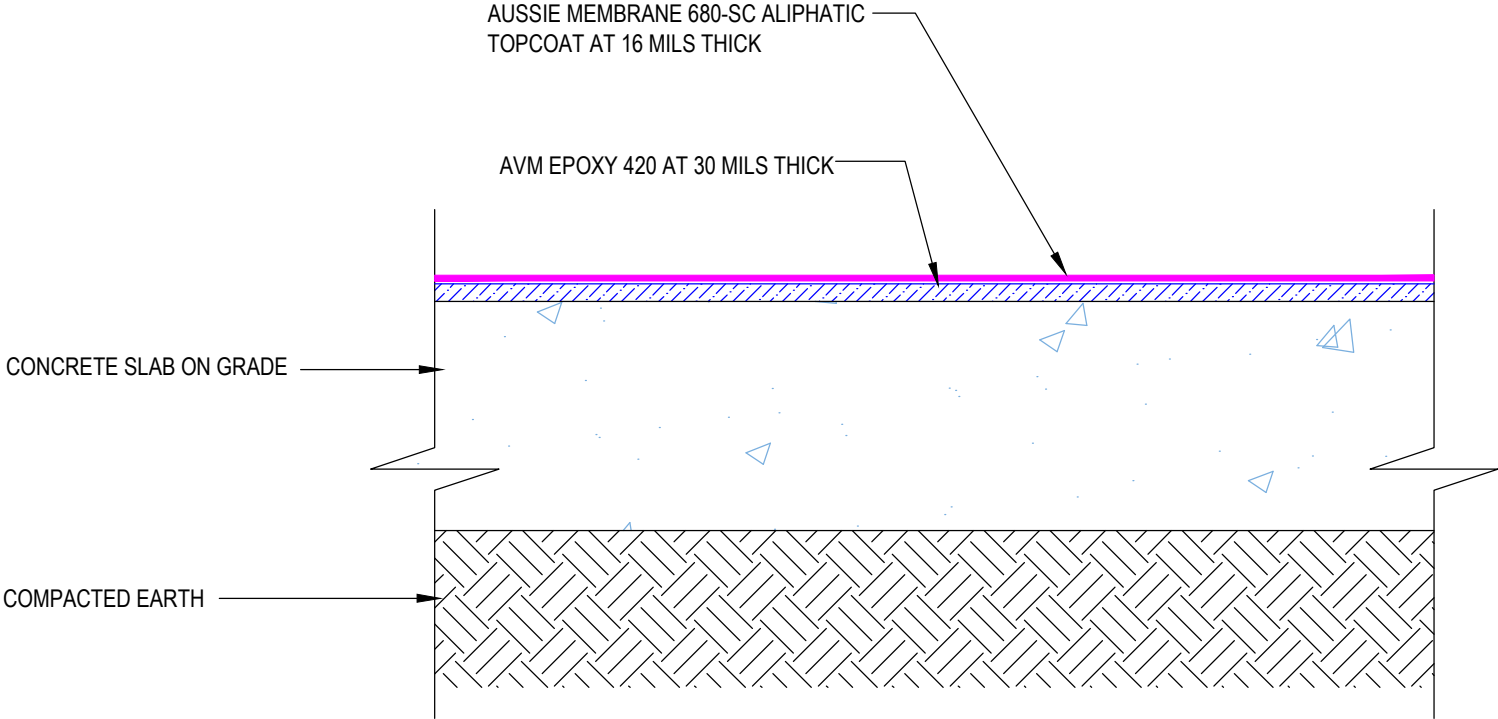
Revision 1.0: New SDS Created.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

DETAIL #:
0420-0100
System:
AVM System 420

Slab on Grade with Aliphatic Topcoat

AVM System 420

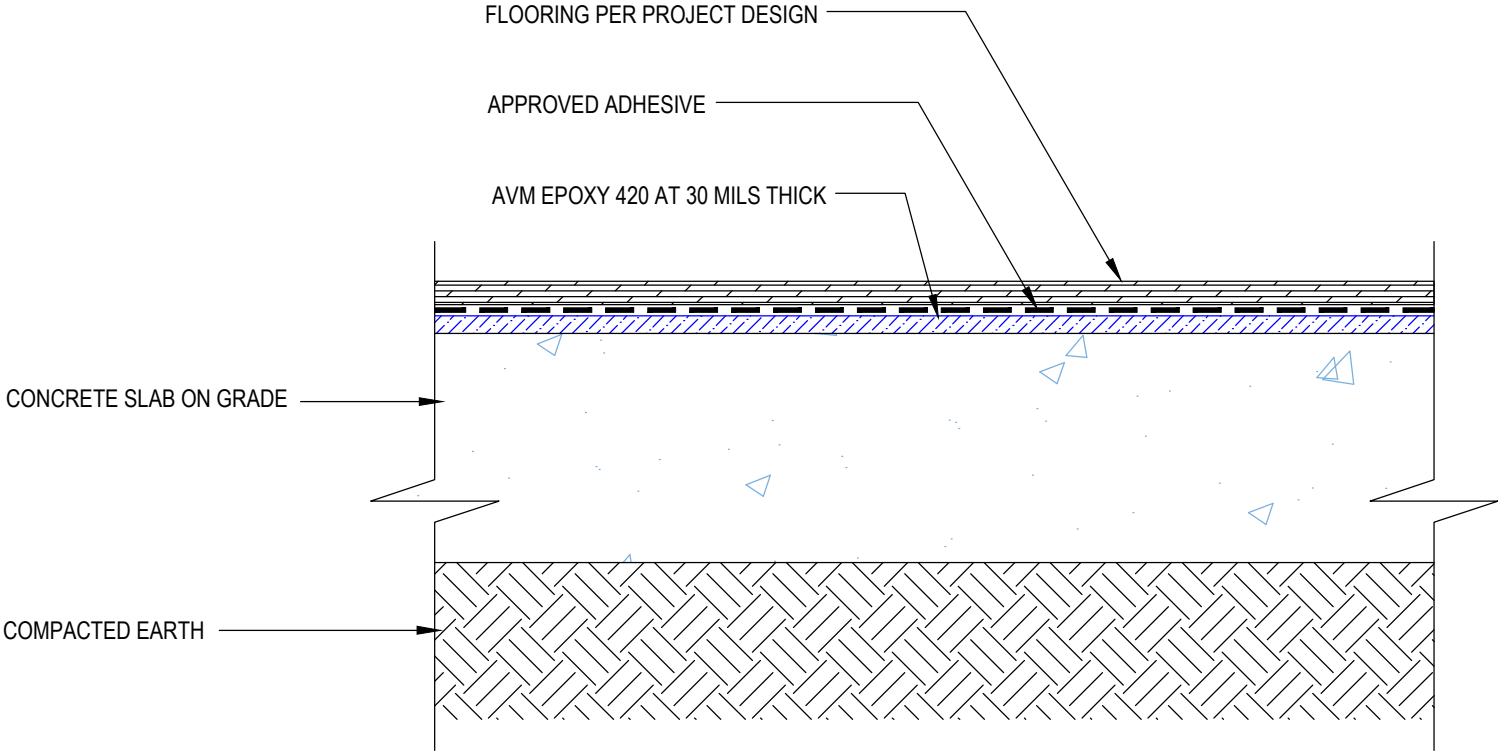


DETAIL #:
0420-0110
System:
AVM System 420

Slab on Grade with Adhered Flooring



AVM System 420

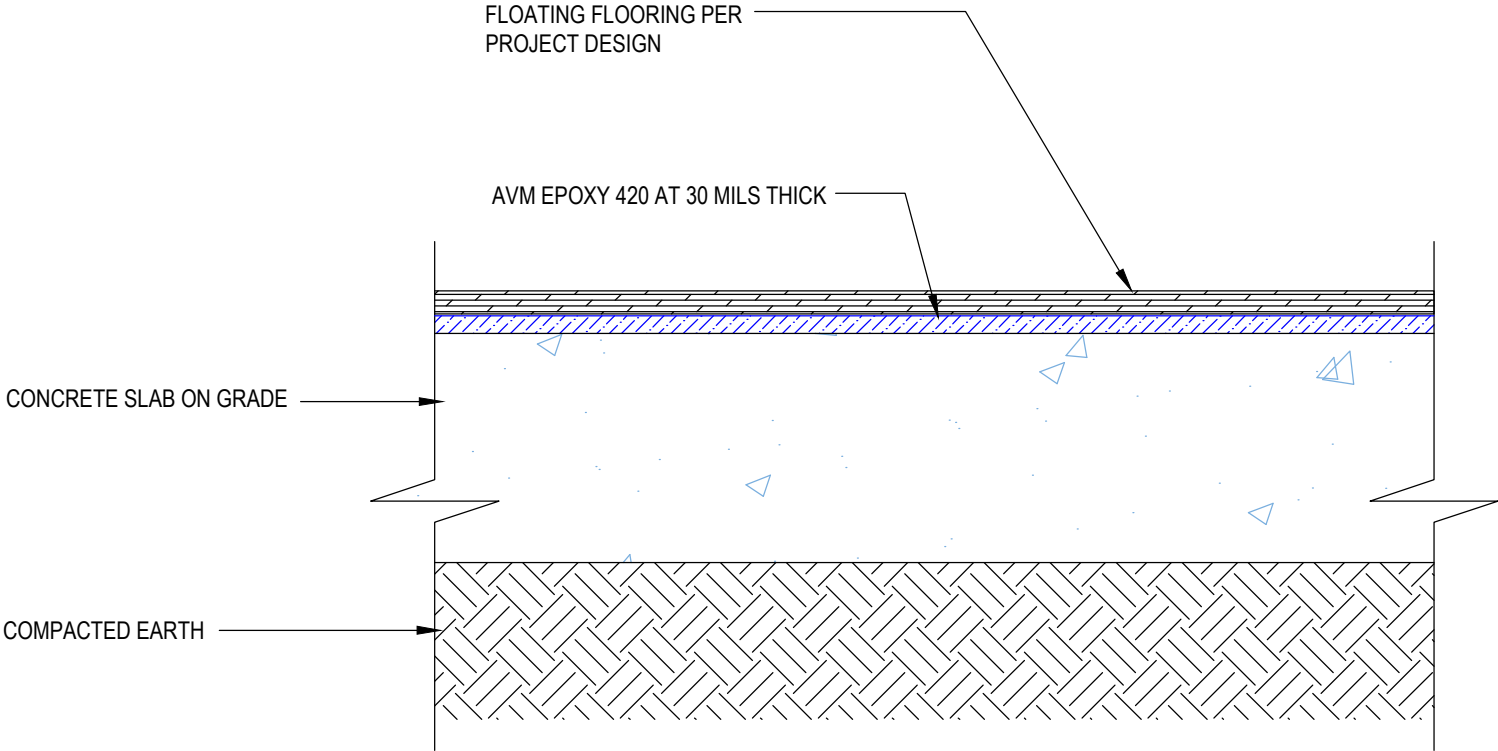


DETAIL #:
0420-0120
System:
AVM System 420

Slab on Grade with Floating Flooring



AVM System 420



DETAIL #:
0420-0130
System:
AVM System 420

Slab on Grade with Tile Flooring

AVM System 420

