



Forevercoat® 100

Maintenance-free Deck Coating

ICC ESR-2125
L.A. RR#: 25430

Sections 071800 / 071813
Fluid Applied Waterproofing

Product Name

Forevercoat® 100
A "Maintenance Free Deck Coating" for
new deck coating installations

Manufactured by

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

Product Description

The Forevercoat® 100 is a traffic bearing, roof and walk ing deck waterproofing system. The Forevercoat®100 system has a class A roofing classification and a 1 hour fire rating. (When installed per ICC ESR-2125)

Where to Use

On new or existing concrete or plywood decks and many other substrates. (For other substrates, consult with AVM Industries prior to installation) The Forevercoat® 100 system provides exceptional protection against the elements and heavy pedestrian traffic. The Forevercoat® 100 is suitable for both residential and commercial structures and is commonly installed on sundecks, balconies, walkways, stairs, court-yards and many other areas.

Warranty

- The Forevercoat® system components are manufactured to the strictest quality control standards. The manufacturing and quality control procedures are monitored by an independent lab certified to conduct such inspections by ICC ES.
- AVM Industries will warranty the installed system for a period of five (5) years. A ten (10) year warranty is available. For details, consult your distributor or approved AVM Industries applicator. Complete warranty information is available upon request.

Delivery, Storage, and Handling

- Delivery of all the Forevercoat® 100 system materials to the job site must be in their original sealed containers and bags, 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. Bags must be kept dry!
- 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.

Project Conditions

- Do not apply materials at temperatures below 50°F, or if precipitation is imminent, or above 90°F if applying in direct sun light.
- Provide adequate ventilation during installation.
- Warn personnel against hazards of materials to skin and eyes.
- Protect adjacent surfaces which could be damaged during the application.
- This system must not be used to cover Expansion Joints.

System Application

Install the Forevercoat® 100 in accordance with its Installation Instructions.

Substrates

Plywood must be min 5/8" thick, exterior grade, attached to framing spaced max 16" on center and properly blocked, supported and fastened.

Concrete decks must comply to code and be min 2000 PSI after 28 days curing time.

Preparation of Substrates

The substrate surfaces must be structurally sound, clean, dry, free of contamination, and prepared according to the Installation Instructions.

Installation

Refer to coverage charts and specifications on the other side.

- Over plywood substrates only: This step is required for the 1 hour fire rating and the ICC ES* approval. Install AVM Crete 6400 1/4" thick per the installation instructions.
- Install the Forevercoat® waterproofing membrane as follows:
- Patch all cracks, voids, etc, using AVM Acripatch 5020.

- Apply Primer 100 to all surfaces. Optional: For better bonding, upgrade to the AVM Epoxy Primer 400.

- Laminate the fiberglass mat with AVM Base Resin 100. Optional: Upgrade to AVM Mat 800 (A stronger reinforcing polyester fabric)
- Trowel two thin coats (1/16" thick each) of the AVM Crete 6200 or 6240 to all surfaces.
- Optional. Apply the AVM Top Coat Sealer 4100/4150 to all surfaces.

Quality Control

- Visually inspect all coated surfaces to ensure a full and proper coating application, especially at corners, drainage scuppers and hard-to-reach areas.
- All unsatisfactory areas shall be repaired prior to final acceptance.

Protection of Installed Work

The completed section shall be protected from all pedestrian traffic for the first 24 hours after application and until the surface is sufficiently cured. (The amount of drying time may vary depending on temperature and humidity conditions) Typically, light foot traffic may resume after 4-6 hours.

Clean Up

Tools may be cleaned with water before resins are dry.

Maintenance

Cleaning and washing of the decks should be performed on a regular basis. No re-coatings are required! For cleaning information, refer to the Forevercoat® maintenance instructions.

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

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.

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

Materials	One Kit Makes	One Kit Covers at 1/8" Thick	One Kit Covers at 1/4" Thick	One Kit Covers at 1/2" Thick
AVM Crete 6400	4 Gallons of Mixed Product	40 Square Feet	20 Square Feet	10 Square Feet
AVM Crete 6200/6240	4 Gallons of Mixed Product	35-50 Square Feet	NA	NA
Weights of 1 sq. ft. of Crete 6200/6240/6400 installed & cured		1 sq. ft. at 1/8" thick = ~1.25 lbs.	1 sq. ft. at 1/4" thick = ~2.50 lbs.	1 sq. ft. at 1/2" thick = ~5.00 lbs.

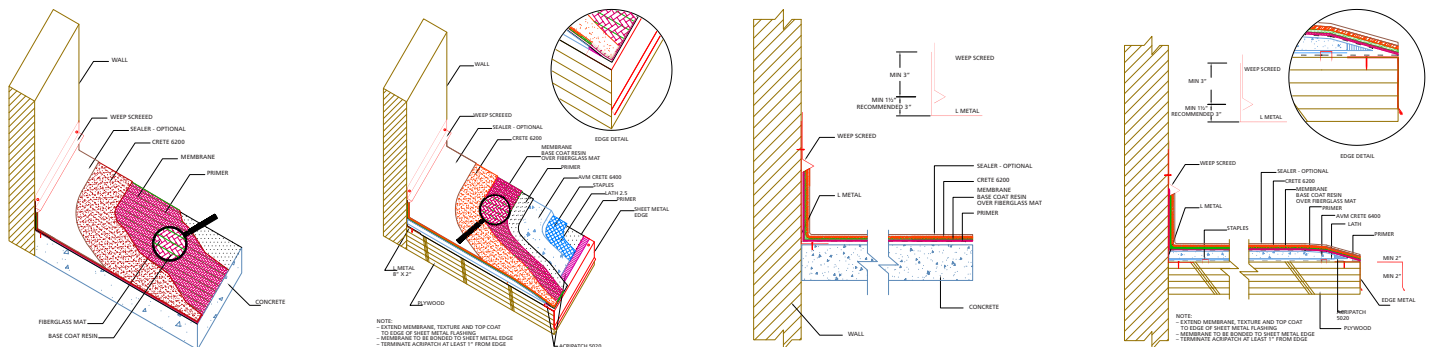
Materials	Over Plywood	Over Concrete	Over Sheet Metal
AVM Primer 100 / Optional AVM Epoxy Primer 400	200-300 sq. ft./gal.	200-300 sq. ft./gal.	200-300 sq. ft./gal.
AVM Base Resin 100	40-50 sq. ft./gal.	40-50 sq. ft./gal.	40-50 sq. ft./gal.
AVM Mat 100 / Optional Mat 800	Allow 5%-10% waste	Allow 5%-10% waste	Allow 5%-10% waste
AVM Crete 6400	See above	See above	See above
AVM Crete 6200/6240 (Smooth or Light Broom)	See above	See above	See above
AVM Top Coat Sealer 4150 Clear	100-150 sq. ft./gal.	100-150 sq. ft./gal.	100-150 sq. ft./gal.

Technical Data - AVM System 100	
Fire Rating	Class A + 1 Hour over 2x8" Joists
Weatherometer	No Cracking, Softening, Crazing
Wind Uplift (Tested/Approved)	135+ lbs./sq. ft., ~227 MPH/90 MPH
Abrasion	4.58% (Pass)
Bond Strength (Once Cured)	134 PSI
Compressive Strength ASTM C39,C172,C192,C470	7 Days: 2500 PSI, 28 Days: 3700 PSI
Impact Resistance, ASTM D-3746	No Cracking or Splits

General Data - AVM System 100	
Shelf Life: (Liquids)	One year in original unopened packaging.
Storage Conditions	Store dry at 50°-90°F. If frozen, discard
Cement Mixing Ratio	Crete 6400: 1 bag AVM 400 to 1.0 gal. additive 7400.
Cement Mixing Ratio	Crete 6200: 1 bag AVM 200 to 1.0-1.25 gal. additive 7400. Crete 6240: Just add water.
Cement Color	Silver, Tan and many Custom Colors
Available Coat Colors	30 Standard colors Custom colors are available - Call for details.

Minimum Dry Thickness - Complete System: 0.310. (AVM Crete 6400 must be at least 0.250" thick when dry)

Item / Component	Packaging	Approx. Shipping Weights	VOC
AVM AcriPatch 5020	2.0/5.0 gal. pails	2.0/5.0 gal. 15/39 lbs.	46 Grams/Liter
AVM Aggregate 200	50 lb. bag	50 lbs./bag	
AVM Aggregate 240	50 lb. bag	50 lbs./bag	
AVM Aggregate 400	50 lb. bag	50 lbs./bag	
AVM Additive 7400	2.0/5.0 gal. pails	2.0/5.0 gal. 18/46 lbs.	6 Grams/Liter
AVM Metal Lath 2.5#	10 sheets/bundle	5 lbs./sheet	
AVM Mat 100 / AVM Mat 800	1750 sq. ft roll / 1080 sq. ft roll	82.1 lbs. / 22.6 lbs.	
AVM Primer 100	2.0/5.0 gal. pails	2.0/5.0 gal. 18/46 lbs.	93 Grams/Liter
AVM Epoxy Primer 400	1.25 gal. kit / 5.0 gal. kit	11.6 lbs. / 47.6 lbs.	0 Grams/Liter
AVM Base 100	2.0/5.0 gal. pails	2.0/5.0 gal. 18/46 lbs.	85 Grams/Liter
AVM Top Coat 4100/4150	2.0/5.0 gal. pails	19/47 lbs.	85/73 Grams/Liter



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



AVM Base Resin 100

Roof and Walking Deck System

ICC ESR-2125,
L.A. RR#: 25430

Section 071800 / 071813
Fluid Applied Waterproofing

Product Name

Elasto Base Resin 100

Manufactured by

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

Product Description

AVM Base resin 100 is a high performance water-based acrylic resin used for the waterproofing membrane layer in multiple AVM waterproofing systems including AVM System 100, Elasto Fiberdeck® and Forevercoat®. AVM Base Resin 100 has been thoroughly tested and is a component of the following ICC/LARR approved systems: ICC ESR-2125 and L.A. RR#: 25430.

Where to Use

On new or existing concrete or plywood decks and other substrates. (For other substrates, consult with AVM Industries prior to installation)

Warranty

Refer to each waterproofing system's warranty for details.

Delivery, Storage, and Handling

- Delivery of the Base resin 100 to the job site must be in their original sealed containers, with manufacturer's name and label intact.
- Handle and store containers in accordance with printed instructions.
- Store at temperatures between 50°F and 90°F. Do not store Primer 100 in direct sunlight or where it may be damaged by water or rain.
- Keep Base Resin 100 out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.



Project Conditions

- Do not apply Base Resin 100 at temperatures below 50°F, or if precipitation is imminent, or above 90°F if applying in direct sun light.
- Provide adequate ventilation during installation.
- Warn personnel against hazards of Base Resin 100 to skin and eyes.
- Protect adjacent surfaces which could be damaged during the application.

System Application

Install the Base Resin 100 in accordance with each system's Installation Instructions.

Substrates

Refer to each system's installation instructions for more information.

Preparation of Substrates

The substrate surfaces must be structurally sound, clean, dry, free of contamination, and prepared according to each system's Installation Instructions.

Installation

Typically Applied with brushes and rollers. Refer to each system's installation instructions for details.

Quality Control

Refer to each system's installation instructions for details.

Protection of Installed Work

Refer to each system's installation instructions for details.

Clean Up

Tools may be cleaned with water before Primer 100 is dry.

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

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.



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

Materials	Over Plywood	Over Concrete	Over Sheet Metal
AVM Base Resin 100	40-50 sq. ft./gal.	40-50 sq. ft./gal.	40-50 sq. ft./gal.

General Data - AVM Primer 100	
Shelf Life:	One year in original unopened packaging.
Storage Conditions:	Store dry at 50°-90°F. If frozen, discard
Color:	Standard Colors: Silver, Tan or Clear Tint-Base. Custom Colors are available.

Item/Component	Packaging	Approximate Shipping Weights	VOC
AVM Base Resin 100	2.0/5.0 gal. pails	18/46 lbs.	85 Grams/Liter

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



AVM Mat 100 Fiberglass Reinforcing Fabric



Fiberglass Reinforcing Fabric

Product Name

AVM Mat 100

Manufactured by

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

Product Description

AVM Mat 100 is a ¾ Oz / Sq.Ft. Fiberglass reinforcing mat.

Where to Use

AVM Mat 100 is used in AVM System 100 Elasto Fiberdeck and AVM System 100 forevercoat deck coating systems. Refer to each system's technical data for more information.

Warranty

Refer to each system's warranty for more information.

Delivery, Storage, and Handling

- a. a. Delivery of all the AVM mat 100 rolls to the job site must be in their original packaging, with manufacturer's name and label intact.
- b. Handle and store in accordance with printed instructions.
- c. 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 mat dry!
- d. Keep all materials out of the reach of children.
- e. If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.

Project Conditions

Refer to each system's technical data for more information.

System Application

Refer to each system's technical data for more information.

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

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.

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

General Data	
Glass Type	E-glass
Density	2.5-2.6g/cm ³
Softening Point	840°C
Filament Diameter	13µm
Sizing	Silane
Colour	White

Properties for Control reports	Accepted standards		Test results	
	Standard No.	Standard Value	Average Value	Passed? /Yes/No
Moisture content (%)	ISO3344-1997	≤ 0.50	0.11	YES
Loss on ignition (%)	ISO1887-1995	3.3-4.6	3.97	YES
Solubility in Styrene (s)	ISO2558-2000	≤ 40	12	YES
Mass per Unit area(g/m ²)	ISO3374-2000	225+/-10%	221	YES
Tensile breaking Force (N)	ISO3342-2000	≤ 40	69	YES
Test conditions	Testing temperature (°C)	23°C	Relative humidity %	60%
Test conclusions	Confirmed to all above specification			

Item / Component	Packaging	Approx Shipping Weights	VOC
AVM Mat 100, 50" Roll	50"x413' roll (-1725 Sq.Ft.)	82.1 Lbs	N/A
Pallets	16 rolls / pallet	1314 Lbs	N/A

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



Pigments and Color Packs

Product Name

Color Packs

Manufactured by

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

Product Description

AVM's Color Packs are concentrated pigment packs sold separately to be added to AVM's Top Coat Sealer 4100 Clear-FP (for Pigment) and to AVM's Texture Clear-FP (for Pigment). These color packs may also be used to tint AVM's Base Coat 100 Clear-FP (for Pigment), AVM's Acripatch 5020 and AVM's Primer 100.

Packaging and Sizes

AVM's color packs come in two sizes. Pints and Quarts. The Pint size Color Packs are to be mixed with AVM's two gallon buckets and the Quart size Color Packs are to be mixed with AVM's five gallon buckets.

Where to Use

AVM's Color Packs are designed to be added to AVM's Top Coat Sealer 4100 Clear-FP (for Pigment) and to AVM's Texture Clear-FP (for pigment). These color packs may also be used to tint AVM's Base Coat 100 Clear-FP (for pigment), AVM's Acripatch 5020 and AVM's Primer 100.

Warranty

AVM's Color Packs are manufactured to the strictest quality control standards. AVM's Color Packs have a one year warranty in their sealed (un-opened) containers and when properly stored in accordance with AVM's published storage instructions.

Delivery, Storage, and Handling

- Delivery of all the Elasto Fiberdeck® 100 system materials to the job site must be in their original sealed containers and bags, 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. Bags must be kept dry!
- 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.
- Shelf life - One year from date of manufacture.

Project Conditions

- Do not add the pigment pack's contents into materials that are below 50°F, or above 90°F.
- Provide adequate ventilation during mixing.
- Warn personnel against hazards of materials to skin and eyes.
- Protect adjacent surfaces which could be damaged during mixing.

Mixing Instructions

The small (Pint Size) Color Packs are to be used with AVM's 2-gallon buckets.

The large (Quart Size) Color Packs are to be used with AVM's 5-gallon buckets.

- Mix the Top Coat Sealer 4100 Clear-FP for 1 minute with a drill and paddle before adding the pigment.
- Shake the Color Pack by hand for 30-60 seconds before use. (Make sure it's well mixed!)
- Add the contents of the Color Pack to the bucket and mix well for 1-2 additional minutes, until evenly mixed.

Do NOT add water or dilute in any way!

Follow the same Mixing Instructions above if using the Color Packs with Texture Clear-FP and other AVM products.

Installation

Refer to AVM System 100 Elasto Fiberdeck and Forevercoat Installation Instructions for details.

Clean Up

Tools may be cleaned with water before pigments/resins are dry.

Availability and Cost

Contact AVM Industries, your distributor, or your approved applicator for pricing and availability.

Technical Services

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

Item/Component	Packaging	Approx. Shipping Weights	VOC
2-Gal Color Pack	6 Pint size plastic jars per box	1.3 lbs each / 8 Lbs per Box	0 Grams/Liter
5-Gal Color Pack	6 Quart size plastic jars per box	3.1 lbs each / 19 Lbs per Box	0 Grams/Liter

For the MSDS and other info, please visit our website at www.avmindustries.com

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



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

Materials	One Kit Makes	One Kit Covers at 1/8" Thick	One Kit Covers at 1/4" Thick	One Kit Covers at 1/2" Thick
AVM Crete 6400	4 Gallons of Mixed Product	40 Square Feet	20 Square Feet	10 Square Feet
Weight of 1 sq. ft. of Crete 6400 installed & cured		1 sq. ft. at 1/8" thick = -1.25 lbs.	1 sq. ft. at 1/4" thick = -2.50 lbs.	1 sq. ft. at 1/2" thick = -5.00 lbs.

Materials	Over Plywood	Over Concrete	Over Sheet Metal
AVM Primer 100 / Optional AVM Epoxy Primer 400	200-300 sq. ft./gal.	200-300 sq. ft./gal.	200-300 sq. ft./gal.
AVM Base Resin 100	40-50 sq. ft./gal.	40-50 sq. ft./gal.	40-50 sq. ft./gal.
AVM Mat 100 / Optional Mat 800	Allow 5%-10% waste	Allow 5%-10% waste	Allow 5%-10% waste
AVM Texture 100 Sprayed Sand Finish	40-60 sq. ft./gal.	40-60 sq. ft./gal.	40-60 sq. ft./gal.
AVM Texture 100 Sprayed Knock Down Finish	40-60 sq. ft./gal. depending on desired look	40-60 sq. ft./gal. depending on desired look	40-60 sq. ft./gal. depending on desired look
AVM Texture 100 Troweled Smooth	35 sq. ft./gal.	35 sq. ft./gal.	35 sq. ft./gal.
AVM Top Coat Sealer 1st coat	100-120 sq. ft./gal.	100-120 sq. ft./gal.	100-120 sq. ft./gal.
AVM Top Coat Sealer 2nd Coat	150 sq. ft./gal.	150 sq. ft./gal.	150 Sq. ft./gal.

Technical Data - AVM System 100	
Fire Rating	Class A + 1 Hour over 2x8" Joists
Weatherometer	No Cracking, Softening, Crazing
Wind Uplift (Tested/Approved)	135+ lbs./sq. ft., -227 MPH/90 MPH
Abrasion	4.58% (Pass)
Bond Strength (Once Cured)	134 PSI
Compressive Strength ASTM C39,C172,C192,C470	7 Days: 2500 PSI, 28 Days: 3700 PSI

General Data - AVM System 100	
Shelf Life: (Liquids)	One year in original unopened packaging.
Storage Conditions	Store dry at 50°-90°F. If frozen, discard
Cement Mixing Ratio	Pre-proportioned kit. 1-bag to 1-gal. additive
Cement Color	Gray
Base/Texture Colors	4 Standard and many Custom
Top Coat Colors	20 Standard colors Custom colors are available - Call for details.

Minimum Dry Thickness - Complete System: 0.310. (AVM Crete 6400 must be at least 0.250" thick when dry)

Item/Component	Packaging	Approx. Shipping Weights	VOC
AVM AcriPatch 5020	2.0/5.0 gal. pails	2.0/5.0 gal. 15/39 lbs.	46 Grams/Liter
AVM Aggregate 400	50 lb. bag	50 lbs./bag	
AVM Additive 7400	2.0/5.0 gal. pails	2.0/5.0 gal. 18/46 lbs.	6 Grams/Liter
AVM Metal Lath 2.5#	10 sheets/bundle	5 lbs./sheet	
AVM Mat 100 / AVM Mat 800	1750 sq. ft. roll / 1080 sq. ft. roll	82.1 lbs. / 22.6 lbs.	
AVM Primer 100	2.0/5.0 gal. pails	2.0/5.0 gal. 18/46 lbs.	93 Grams/Liter
AVM Epoxy Primer 400	1.25 gal. kit / 5.0 gal. kit	11.6 lbs. / 47.6 lbs.	0 Grams/Liter
AVM Base 100	2.0/5.0 gal. pails	2.0/5.0 gal. 18/46 lbs.	85 Grams/Liter
AVM Texture 100	2.0/5.0 gal. pails	2.0/5.0 gal. 23/56 lbs.	31 Grams/Liter
AVM Top Coat 4100/4150	2.0/5.0 gal. pails	19/47 lbs.	85/73 Grams/Liter

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



AVM Primer 100

Roof and Walking Deck System

ICC ESR-2125, ESR-2662,
PMG-2662, L.A. RR#: 25430

Section 071800 / 071813
Fluid Applied Waterproofing

Product Name

Elasto Primer 100

Manufactured by

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

Product Description

AVM Primer 100 is a high performance water-based acrylic primer used in multiple AVM waterproofing systems including AVM System 100, Elasto Fiberdeck®, Forevercoat®, AVM System 700 and other common applications. AVM primer 100 has been thoroughly tested and is a component of the following ICC/LARR approved systems: ICC ESR-2125, ESR-2662, PMG-2662 and L.A. RR#: 25430.

Where to Use

On new or existing concrete or plywood decks and other substrates. (For other substrates, consult with AVM Industries prior to installation)

Warranty

Refer to each waterproofing system's warranty for details.

Delivery, Storage, and Handling

- Delivery of the Primer 100 to the job site must be in their original sealed containers, with manufacturer's name and label intact.
- Handle and store containers in accordance with printed instructions.
- Store at temperatures between 50°F and 90°F. Do not store Primer 100 in direct sunlight or where it may be damaged by water or rain.
- Keep Primer 100 out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.



Project Conditions

- Do not apply Primer 100 at temperatures below 50°F, or if precipitation is imminent, or above 90°F if applying in direct sun light.
- Provide adequate ventilation during installation.
- Warn personnel against hazards of Primer 100 to skin and eyes.
- Protect adjacent surfaces which could be damaged during the application.

System Application

Install the Primer 100 in accordance with each system's Installation Instructions.

Substrates

Plywood must be min 5/8" thick, exterior grade, attached to framing spaced max 16" on center and properly blocked, supported and fastened.

Concrete decks must comply to code and be min 2000 PSI after 28 days curing time.

Refer to each system's installation instructions for more information.

Preparation of Substrates

The substrate surfaces must be structurally sound, clean, dry, free of contamination, and prepared according to each system's Installation Instructions.

Installation

Typically Applied with brushes and rollers. Refer to each system's installation instructions for details.

Quality Control

Refer to each system's installation instructions for details.

Protection of Installed Work

Refer to each system's installation instructions for details.

Clean Up

Tools may be cleaned with water before Primer 100 is dry.

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

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.



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

Materials	Over Plywood	Over Concrete	Over Sheet Metal
AVM Primer 100	200-300 sq. ft./gal.	200-300 sq. ft./gal.	200-300 sq. ft./gal.

General Data - AVM Primer 100	
Shelf Life:	One year in original unopened packaging.
Storage Conditions:	Store dry at 50°-90°F. If frozen, discard
Color:	Milky white when white. Cures clear.

Item/Component	Packaging	Approximate Shipping Weights	VOC
AVM Primer 100	2.0/5.0 gal. pails	18/46 lbs.	93 Grams/Liter

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



AVM Aggregate 200

Dry concrete mix for AVM Crete 6200

Sections 033500/035000/035400/099400
Cementitious Decks and Underlayment
Decorative Finishes / High Performance
Coatings

Product Name

AVM Aggregate 200

Manufactured by

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

Product Description

AVM Aggregate 200 is the dry mix component (concrete bag) of the AVM Crete 6200. AVM Crete 6200 is a polymer modified concrete mix, exceeding 6000 PSI when cured, designed for thin applications not exceeding 1/4 inch in thickness. AVM Crete 6200 may be used for minor sloping or leveling repairs or as a Bond or Scratch coat (Underlayment) before installing other products or systems. It may also be applied as a decorative Texture, or be used as a Protective Coating for AVM's approved Under Tile Waterproofing Membranes. (AVM System 700/750). AVM Aggregate 200 is available in both white or gray cements.

Where to Use

On new or existing concrete slabs, block walls (CMU) and other porous substrates. Also, as a protective coating over AVM Systems 700/750, Under Tile Waterproofing Membranes. (For applications directly over plywood, use the AVM Crete 6400.)

Submittals

When applicable, submit the manufacturer's printed application instructions.

Warranty

Refer to each system's warranty for details.



Delivery, Storage, and Handling

- Delivery of all the AVM Aggregate 200 concrete bags to the job site must be in their original sealed bags, with manufacturer's name and label intact.
- Handle and store 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. Bags must be kept dry!
- 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.

Project Conditions

- Do not apply materials at temperatures below 50°F and falling or if precipitation is imminent. Do not apply materials in direct sunlight at temperatures above 90°F or rising. Do not apply materials anywhere at temperatures above 100°F.
- Warn personnel against hazards of materials to skin and eyes. Note other hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
- Protect adjacent surfaces which could be damaged during the application procedure.
- This system must not be used to cover Expansion Joints.

System Application

Refer to each system's Installation Instructions.

Availability and Cost

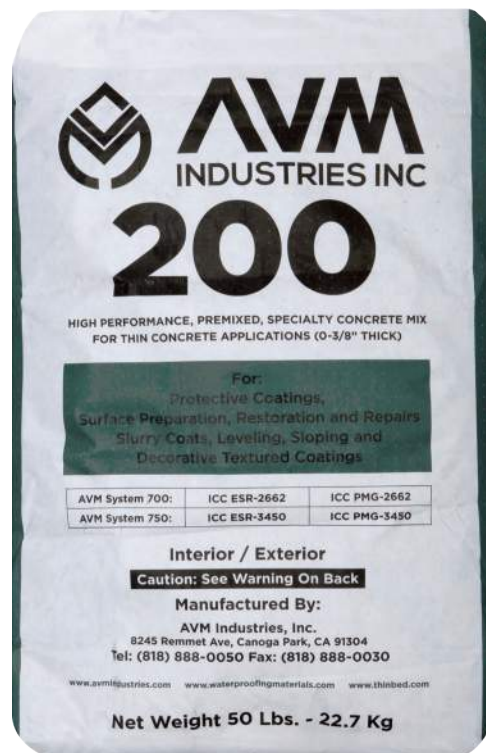
Contact AVM Industries or your approved applicator for pricing and availability.

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 below.



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

Materials	Coverages
One bag of AVM Aggregate 200 mixed with 1.0-1.25 gallons of AVM Additive 7400 makes approx. 4 gallons of mixed product!	
AVM Crete 6200, applied as Slurry	Up to 200 sq. ft./gal. depending on the smoothness of the existing concrete. Total quantity of mixed product will vary based on the amount of Additive being used.
AVM Crete 6200, applied as Texture	40-50 sq. ft./gal. of mixed product
AVM Crete 6200, applied 1/16" Thick	80 sq. ft./gal. of mixed product
AVM Crete 6200, applied 1/8" Thick	40 sq. ft./gal. of mixed product

Coverages may vary based on the smoothness of the existing concrete slabs.

General Data	
Compressive Strength: ASTM C39,C172,C192,C470	7 Days: 4900 PSI. 28 Days: 6000 PSI
Shelf Life:	No specified limit as long as contents have not hardened.
Storage Conditions	Store dry and out of direct sunlight at 50°-90°F.
Color	Gray or White
Mixing Ratio	1.0-1.33 Gallons of AVM Additive 7400 per Bag.
Dry weight of Crete 6200 when installed	1 sq. ft. at 1/4" thick weighs approximately 2.50 pounds

Item / Component	Packaging	Approx Shipping Weights	VOC
Aggregate 200	50 lb. bag	50.0 lbs./bag	N/A

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



AVM Aggregate 400

Dry concrete mix for AVM Crete 6400

Sections 033500/035000/035400/099400
Cementitious Decks and Underlayment /
High Performance Coatings

Product Name

AVM Aggregate 400

Manufactured by

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

Product Description

AVM Aggregate 400 is the dry mix component (concrete bag) of the AVM Crete 6400. AVM Crete 6400 is a polymer modified cement mix, achieving 3700 PSI when cured, designed for thin sloping, leveling and patching applications ranging from 0 inches to 4 inches in thickness.

Where to Use

On new or existing plywood decks and concrete slabs. AVM Crete 6400 may also be applied over existing finished surfaces such as brick, tile, pavers, deck coatings, magnesite, pebbles, etc. (Epoxy primer may be required over certain substrates for proper adhesion)

Submittals

When applicable, submit the manufacturer's printed application instructions.

Warranty

Refer to each system's warranty for details.



Delivery, Storage, and Handling

- Delivery of all the AVM Aggregate 400 concrete bags to the job site must be in their original sealed bags, with manufacturer's name and label intact.
- Handle and store 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. Bags must be kept dry!
- 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.

Project Conditions

- Do not apply materials at temperatures below 50°F and falling or if precipitation is imminent. Do not apply materials in direct sunlight at temperatures above 90°F or rising. Do not apply materials anywhere at temperatures above 100°F.
- Warn personnel against hazards of materials to skin and eyes. Note other hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
- Protect adjacent surfaces which could be damaged during the application procedure.
- This system must not be used to cover Expansion Joints.

System Application

Refer to each system's Installation Instructions.

Availability and Cost

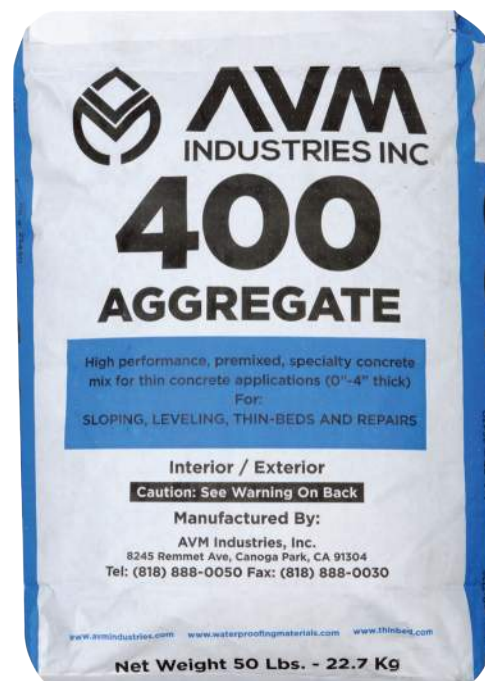
Contact AVM Industries or your approved applicator for pricing and availability.

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 below.



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

Materials	Coverages
One Kit of AVM-Crete 6400 covers	20 sq. ft. at 1/4". 10 sq. ft. at 1/2". 5 sq. ft. at 1.0".

Coverages may vary based on the smoothness of the existing concrete slabs.

General Data	
Compressive Strength: ASTM C39,C172,C192,C470	7 Days: 2500 PSI. 28 Days: 3700 PSI
Storage Conditions	Store dry at 50°-90°F. Store out of direct sunlight
Color	Gray or White
Mixing Ratio	1 gallon of AVM Additive 7400 with each bag of Aggregate 400
Dry weight when installed	1 sq. ft. at 1/4" thick weighs approximately 2.50 pounds

Item / Component	Packaging	Approx Shipping Weights	VOC
Aggregate 400	50 lb. bag	50.0 lbs./bag	N/A

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





AVM Epoxy Primer 401-FC

Two-Component, Fast Cure, Epoxy-Polyamine Primer

Sections 071800 / 071813 / 071816
Fluid-Applied Waterproofing

Product Name

AVM Epoxy Primer 401-FC (Fast Cure)

Manufactured by

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

Product Description

AVM Epoxy Primer 401-FC is a two component, liquid applied, solvent-based, fast-cure epoxy-polyamine primer with unique penetrating characteristics. This primer can be used over Concrete, Plywood, Metal Flashings and other Polyurethane and Acrylic Coatings.

Advantages

- Excellent Adhesion
- Low Viscosity
- Bonds to many different substrates and surfaces
- 100% Solids, Low VOC, Low Odor
- Interior or Exterior
- Fast Cured Primer

Where to Use

Epoxy primer 401-FC is a multi-purpose solvent-based Epoxy-Polyamine Primer. **AVM Epoxy Primer 401-FC** will bond to most substrates including concrete, wood, metal, glass-reinforced plastics, polyurethane elastomeric surfaces, and many other substrates. Using **AVM Epoxy Primer 401-FC** will allow you to apply many coatings to many different substrates when bonding is a challenge or when the ultimate adhesion is required.

Warranty

If sold as part of an AVM system, refer to that system's warranty for details. If sold as a stand-alone primer, AVM's standard 1 year material warranty applies. For complete warranty information, go to www.avmindustries.com.

Delivery, Storage, and Handling

- Delivery of the AVM Epoxy Primer 401 components must be in their original sealed containers, with manufacturer's name and label intact.
- Handle and store containers in accordance with printed instructions.
- Store at temperatures between 50°F and 95°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.
- Shelf life is one year from manufacturing date in sealed, unopened containers.

Project Conditions

- Do not apply materials at temperatures below 40°F, or if precipitation is imminent, or above 100°F if applying in direct sunlight.
- Provide adequate ventilation during installation.
- Warn personnel against hazards of materials to skin and eyes.
- Protect adjacent surfaces which could be damaged during the application.
- Concrete substrate must cure for a minimum of 7 days, be dry to the touch, and have a moisture content of no more than 15% prior to installation.
- Always protect materials from excessive heat and cold, and pre-condition to room temperature, as necessary.

Surface Preparation

The substrate surfaces must be structurally sound, clean, dry, and free of efflorescence, dust, dirt, silicone, oil and other contaminants that would prevent the proper penetration and/or bonding of the AVM Primer 401-FC to the substrate. Joints or cracks should be sealed or filled prior to the application of the AVM Primer 401-FC. AVM Primer 401-FC may be applied directly over other coatings as long as they are in good condition and properly attached to their substrates. For improved bonding and long-lasting adhesion, it is recommended to remove all existing coatings, paints, etc. prior to the application. Depending on existing conditions, additional preparation such as sandblasting or water-blasting might be required, especially when bonding to older cementitious surfaces (Concrete, blocks, slabs, bricks, etc.). If you intend to apply the AVM Primer 401-FC over an existing coating or sealer, make sure it's clean (Pressure washing is highly recommended) and then do a test in a small area to ensure proper bonding. Metal flashings and other sheet metal-based surfaces need to be thoroughly cleaned and have all oils, grease etc. removed. Lightly sanding these surfaces is highly recommended since it will significantly increase bonding. ICRI CSP 3 is necessary.

Application Equipment

rpm) with a Jiffy® type impeller mixing paddle, a disposable 3-inch brush for precise application, a 3/8-inch nap non-shedding roller with a phenolic core, and a rubber squeegee. Pouring, squeegeeing, and back-rolling are recommended techniques because Dip-n-Roll can be challenging for less experienced installers, potentially resulting in unsightly lap lines.

Mixing

Maintain the temperature of both (A) and (B) components between 70°F and 80°F (20°C-25°C). Mix each component separately with a drill and paddle for a minimum one minute each and for a minimum 2 minutes when Part-A and Part-B are mixed together. For a 3-gallon kit, pour (Side-B) into (Side-A) in a 3.5-gallon bucket. Thoroughly mix the contents until all components are fully integrated, and no streaking is evident. Avoid thinning the mixture.

Precise measurement of each component is crucial for optimal product performance. Consider the beneficial technique of pouring from one container to the other (boxing) during mixing to ensure thorough blending. Mix for a duration of 2 minutes.

Application

Once you have thoroughly mixed all the components according to the instructions, promptly pour the mixture onto the surface. Evenly spread the material using a roller or squeegee. It is crucial to perform back-rolling and then cross-rolling to ensure proper penetration of the epoxy primer into the substrate and a uniform film thickness. Allow to dry until dry to the touch before applying any coating over the epoxy primer. Drying time is approximately 2-4 hours but may vary based on temperature, humidity, and other factors. Once dry to the touch, the "Open Time" to apply coatings over the primer is approximately within 12 hours. (Open Times may vary based on temperature, humidity and other factors). Light foot traffic may be permitted in 8-12 hours, Vehicle traffic after 3 days.

Coverage Rates

300 sf per gal @ 5 wet mil thickness
100 sf per gal @ 16 wet mil thickness
80 sf per gal @ 20 wet mil thickness

Quality Control

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

Protection of Installed Work

For best results the primed sections shall be protected from all pedestrian traffic until the primed sections are coated with the next waterproofing layer. (The amount of drying time may vary depending on temperature and humidity conditions).

Applying Coatings Over the Primer

Allow primer to become thumbprint-tack free before applying the coating. (Primer will still be a little tacky) If fully cured, reprime.

Cleanup

Tools and equipment should be cleaned with an environmentally friendly solvent, as permitted by local regulations immediately after use.

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

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.

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

Property	Results	Test Method
Volatile Organic Compounds (VOC)	<5 g/l	
Density	8 lbs/ga.	
Softening Point	266°F (130°C)	
Abrasion Resistance	40 mg loss	ASTM D4060
Bond Strength	>2.06 MPA (300 psi)	ASTM D4541
Coefficient of Thermal Expansion	.89x10 ⁻⁵ in/in/°F	ASTM D696
Tensile Strength	7500 psi	D2370
Water Absorption	<.1%	ASTM C413
Impact Resistance	160 in/lb	
Hardness	70-80	Shore D
Flow	325mm	
Coefficient of Friction	.7 smooth	ASTM D2047
Thermal Compatibility	Pass	ASTM S884
Compression	8,000 psi	ASTM S695
Flexural Strength	16.2 MPa (2350 psi)	ASTM C580
Pot Life	15-20 minutes	
Mix Ratio	Mix full units only	
Application Temperature	45°F (7°C) min. / 86°F (30°C) max	
Service Temperature	-40°F (-40°C) min. / 248°F (120°C) max	
Visual Appearance	High Gloss	
Curing Details: Foot Traffic: Light Traffic Full Cure	6-10 hours 36 hours 5-6 days / ¼" (6mm)	

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



Safety Data Sheet

AVM Industries Inc.

Version 1.1 Revision Date 8-5-15

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Base 100 Resin Product Code: 0100 Base

AVM Industries, Inc.

8245 Remmet Ave, Canoga Park CA 91304-4133

Tel: (818) 888-0050

www.avmindustries.com

Emergency Contact:

AVM Industries, Inc.

Tel: (818) 888-0050

2. HAZARDS IDENTIFICATION

GHS Ratings:

Skin sensitizer

1

Skin sensitizer

GHS Hazards

H317

May cause an allergic skin reaction

GHS Precautions

P261

Avoid breathing dust, mist, or vapours

P272

Contaminated work clothing should not be allowed out of the workplace

P280

Wear protective gloves, protective clothing, eye protection, and face protection

P321

Specific treatment (see first aid instructions on SDS and on this label)

P363

Wash contaminated clothing before reuse

P302+P352

IF ON SKIN: Wash with soap and water

P333+P313

If skin irritation or a rash occurs: Get medical advice/attention

P501

Dispose contents/containers in accordance with local, state and federal regulations.

Signal Word: Warning



3. COMPOSITION/FORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
1,2-Propylene glycol	57-55-6	0.10%

4. FIRST AID MEASURES

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.

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

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.

IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

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.

5. FIREFIGHTING MEASURES

Flash Point: 122 C (252 F)

LEL:

UEL:

Suitable extinguishing media: Carbon dioxide, Alcohol foam, or dry chemical

Heat builds up pressure in closed containers and can rupture or explode.

Carbon Dioxide, Carbon Monoxide, partially burned Carbon, and acrid fumes.

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.

Do not enter fire area without proper protective equipment, including respiratory protection

6. ACCIDENTAL RELEASE MEASURES

Stop leak at source when it is safe to do so. Use non-sparking tools only. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation.

Absorb the liquid with inert material (such as dry sand or earth) and place it in a chemical waste container. Sweep or shovel spills into appropriate container for disposal.

Persons not wearing protective equipment should be evacuated from area of spill until cleanup has been completed.

Dike and pump the liquid into waste containers.

7. HANDLING AND STORAGE

Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, and open flames. Avoid breathing vapor and mist. Vapors of this material are heavier than air and will collect in low or confined areas. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Store in a cool, well-ventilated place. Store at temperatures between 50°F-90°F unless otherwise stated. Product must remain in its original sealed containers with manufacturer's name and label in tact. Do not store materials in direct sunlight or where they may be damaged by water or rain. Dry goods (When applicable) must be kept dry.

No Additional Data

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
1,2-Propylene glycol 57-55-6	OELs not established	OELs not established	Not Established

Use explosion-proof equipment with flammable materials.

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. Ensure adequate ventilation, especially in confined areas.

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-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

Change contaminated clothing immediately. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid	Odor: Slight
Vapor Pressure: 7.2 Pa 20°	Odor threshold: Not Available
Vapor Density: 7.0	pH: Not Available
Density: 1.07	Melting point: Not Available
Freezing point: Not Available	Solubility: Not Available
Boiling range: 100°C	Flash point: 252 F, 122 C
Evaporation rate: Not Available	Flammability: Not Available
Explosive Limits: Not Available	Partition coefficient (n-octanol/water): Not Available
Autoignition temperature: Not Available	Decomposition temperature: Not Available
Viscosity: Not Available	Grams VOC/liter less water: 3.86

10. STABILITY AND REACTIVITY

STABLE

Incompatible materials

No Data Available / Not Applicable

Hazardous decomposition products

No Data Available / Not Applicable

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Component Toxicity

Toxicological Routes of Entry

No Data Available / Not Applicable

Specific Target Organs Toxicology

No Data Available / Not Applicable

Effects of Overexposure

Carcinogenicity

CAS Number

None

Description% WeightCarcinogen Rating

No Data Available / Not Applicable

12. ECOLOGICAL INFORMATION

No data available

Component Ecotoxicity

1,2-Propylene glycol

96 Hr EC50 Pseudokirchneriella subcapitata: 19000 mg/L

96 Hr LC50 Oncorhynchus mykiss: 51600 mg/L [static]; 96 Hr LC50

Oncorhynchus mykiss: 41 - 47 mL/L [static]; 96 Hr LC50 Pimephales promelas:

51400 mg/L [static]; 96 Hr LC50 Pimephales promelas: 710 mg/L

48 Hr EC50 Daphnia magna: >1000 mg/L [Static]

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations . Do not allow the product to be released into the environment.

14. TRANSPORT INFORMATION

AgencyProper Shipping NameUN NumberPacking GroupHazard Class

DOT

Not regulated for transport

IATA

Not regulated for transport

IMDG

Not regulated for transport

15. REGULATORY INFORMATION

U.S. Federal Regulations

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

140-88-5 Ethyl acrylate Carcinogens

The following chemicals are reportable under Sara 313

- None

Country

USA

Regulation

Toxic Substances Control Act (listed or exempt)

All Components Listed

Yes

16. OTHER INFORMATION

This information is provided in good faith and is correct to the best of AVM Industries' knowledge as of the date hereof and is designed to assist our customers; however, AVM makes no representation as to its completeness or accuracy. This product is intended for sale to mainly professional contractor. We require customers to satisfy themselves as to the suitability for their specific applications. Any use which AVM Industries customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. AVM Industries disclaims responsibility for damages, or liability of any kind resulting from the use of this information. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES. IN NO EVENT SHALL AVM INDUSTRIES BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Reviewer Revision

Date Prepared: 9/22/2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : AVM Mat 100

Product form : Mixtures

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Borosilicate Glass fiber in an amorphous vitreous state, with an organic polymer size

1.3. Details of the supplier of the safety data sheet

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

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Carc. 1B H350

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: **Danger**

Hazard statements (GHS-US)

: H350 - May cause cancer

Precautionary statements (GHS-US)

: P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear eye protection, protective gloves, protective clothing
P308+P313 - If exposed or concerned: Get medical advice/attention
P405 - Store locked up
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Fiberglass Mat	Not available	≤ 100*

*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.

AVM Mat 100

Safety Data Sheet

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

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, both acute and delayed

Symptoms/effects	: May cause cancer.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Direct contact with eyes is likely to be irritating.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation.
Chronic symptoms	: May cause cancer.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray.
------------------------------	----------------

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Precautionary measures fire	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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	: Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).
------------------	---

6.1.1. For non-emergency personnel

Protective equipment	: Wear Protective equipment as described in Section 8.
Emergency procedures	: Evacuate unnecessary personnel.

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

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Contain and collect as any solid. Avoid dust formation.
Methods for cleaning up	: Dampen with water and sweep up. Dispose of material in compliance with local, state, and federal regulations.

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	: Handle in accordance with good industrial hygiene and safety procedures. Use only in well-ventilated areas. Avoid dust formation. Do not breathe 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	: Store in dry, well-ventilated area.
--------------------	---------------------------------------

AVM Mat 100

Safety Data Sheet

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Fiberglass Mat

NIOSH TWA

3 fibers/cm³ (fibers with diameter ≤ 3.5 µm & length ≥ 10 µm);
5 mg/m³ (total fibrous glass)

8.2. Exposure 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.

Personal protective equipment

: Gloves. Protective goggles. Insufficient ventilation: wear respiratory protection.



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	: Solid
Color	: Various.
Odor	: No data available
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 265 °C (509 °F)
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.34 - 1.39
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

AVM Mat 100

Safety Data Sheet

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

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Sizing or binders may decompose in a fire. Carbon oxides (CO, CO₂). Water.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Direct contact with eyes is likely to be irritating.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation.
Chronic symptoms	: May cause cancer.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Being an amorphous product, no environmental risk.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Mechanical decomposition (non soluble material).
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT

Not hazardous for transport

Additional information

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

AVM Mat 100

Safety Data Sheet

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

SECTION 15: Regulatory information

15.1. US Federal regulations

AVM Mat 100

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt

SARA Section 311/312 Hazard Classes

Delayed (chronic) health hazard

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

SECTION 16: Other information

Indication of changes : Revision 1.0: New SDS Created.

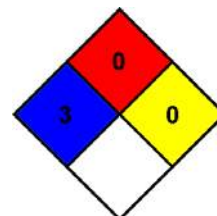
Revision date : 05/02/2017

Other information : Author: BCS.

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.



Hazard Rating

Health : 3*

Flammability : 0

Physical : 0

Personal protection :

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

Safety Data Sheet

AVM Industries Inc.

Version 1.1 Revision Date 8-5-15

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Primer 100 Product Code: 100 Primer

AVM Industries, Inc.

8245 Remmet Ave, Canoga Park CA 91304-4133

Tel: (818) 888-0050

www.avmindustries.com

Emergency Contact:

AVM Industries, Inc.

Tel: (818) 888-0050

2. HAZARDS IDENTIFICATION

GHS Ratings:

GHS Hazards

GHS Precautions

Signal Word:

There are no GHS ratings that apply to this product at this time.

3. COMPOSITION/IFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %

4. FIRST AID MEASURES

IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing.

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 ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes .

IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

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.

5. FIREFIGHTING MEASURES

Flash Point: 122 C (252 F)

LEL:

UEL:

Suitable extinguishing media: Carbon dioxide, Alcohol foam, or dry chemical

Heat builds up pressure in closed containers and can rupture or explode.

Carbon Dioxide, Carbon Monoxide, partially burned Carbon, and acrid fumes.

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.

Do not enter fire area without proper protective equipment, including respiratory protection

6. ACCIDENTAL RELEASE MEASURES

Stop leak at source when it is safe to do so. Use non-sparking tools only. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation.

Absorb the liquid with inert material (such as dry sand or earth) and place it in a chemical waste container. Sweep or shovel spills into appropriate container for disposal.

Persons not wearing protective equipment should be evacuated from area of spill until cleanup has been completed.

Dike and pump the liquid into waste containers.

7. HANDLING AND STORAGE

Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, and open flames. Avoid breathing vapor and mist. Vapors of this material are heavier than air and will collect in low or confined areas. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Store in a cool, well-ventilated place. Store at temperatures between 50°F-90°F unless otherwise stated. Product must remain in its original sealed containers with manufacturer's name and label in tact. Do not store materials in direct sunlight or where they may be damaged by water or rain. Dry goods (When applicable) must be kept dry.

No Additional Data

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
	Not Established	Not Established	Not Established

Use explosion-proof equipment with flammable materials.

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. Ensure adequate ventilation, especially in confined areas.

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-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

Change contaminated clothing immediately. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid Vapor Pressure: 5.2 Pa 20° Vapor Density: 7.3 Density: 1.04 Freezing point: Not Available Boiling range: 100°C Evaporation rate: Not Available Explosive Limits: Not Available Autoignition temperature: Not Available Viscosity: Not Available	Odor: Slight Odor threshold: Not Available pH: Not Available Melting point: Not Available Solubility: Not Available Flash point: 252 F, 122 C Flammability: Not Available Partition coefficient (n-octanol/water): Not Available Decomposition temperature: Not Available Grams VOC/liter less water 0.03
---	--

10. STABILITY AND REACTIVITY

STABLE

Incompatible materials

No Data Available / Not Applicable

Hazardous decomposition products

No Data Available / Not Applicable

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Toxicological Routes of Entry

No Data Available / Not Applicable

Specific Target Organs Toxicology

No Data Available / Not Applicable

Effects of Overexposure

Carcinogenicity

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations . Do not allow the product to be released into the environment.

14. TRANSPORT INFORMATION

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not regulated for transport			
IATA	Not regulated for transport			
IMDG	Not regulated for transport			

15. REGULATORY INFORMATION

U.S. Federal Regulations

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

140-88-5 Ethyl acrylate Carcinogens

The following chemicals are reportable under Sara 313

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	Toxic Substances Control Act (listed or exempt)	Yes

16. OTHER INFORMATION

This information is provided in good faith and is correct to the best of AVM Industries' knowledge as of the date hereof and is designed to assist our customers; however, AVM makes no representation as to its completeness or accuracy. This product is intended for sale to mainly professional contractor. We require customers to satisfy themselves as to the suitability for their specific applications. Any use which AVM Industries customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. AVM Industries disclaims responsibility for damages, or liability of any kind resulting from the use of this information. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES. IN NO EVENT SHALL AVM INDUSTRIES BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Reviewer Revision

Date Prepared: 9/22/2015

Safety Data Sheet

AVM Industries Inc.

Version 1.1 Revision Date 8-5-15

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: AVM 200 Product Code: Aggregate 200

AVM Industries, Inc.

8245 Remmet Ave, Canoga Park CA 91304-4133

Tel: (818) 888-0050

www.avmindustries.com

Emergency Contact:

AVM Industries, Inc.

Tel: (818) 888-0050

2. HAZARDS IDENTIFICATION

GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Organ toxin single exposure	3	Transient target organ effects- Narcotic effects- Respiratory tract irritation
Organ toxin repeated exposure	1	Significant toxicity in humans- Reliable, good quality human case studies or epidemiological studies Presumed significant toxicity in humans- Animal studies with significant and/or severe toxic effects relevant to humans at generally low exposure (guidanc

GHS Hazards

H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
H350	May cause cancer
H372	Causes damage to organs through prolonged or repeated exposure

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust, mist or vapours
P261	Avoid breathing dust, mist, or vapours
P264	Wash hands, forearms and face thoroughly after handling
P270	Do not eat, drink or smoke when using this product

P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves, protective clothing, eye protection, and face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P314	Get Medical advice/attention if you feel unwell
P321	Specific treatment (see first aid instructions on SDS and on this label)
P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously 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
P332+P313	If skin irritation occurs: Get medical advice/attention
P405	Store locked up
P403+P233	Store in a well ventilated place. Keep container tightly closed
P501	Dispose contents/containers in accordance with local, state and federal regulations.

Signal Word: Danger



3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Cement, portland, chemicals	65997-15-1	48.00%
Feldspar	14808-60-7	9.00%

4. FIRST AID MEASURES

IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing.

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 ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes .

IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

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.

5. FIREFIGHTING MEASURES

Flash Point: N/A

LEL:

UEL:

Suitable extinguishing media: Carbon dioxide, Alcohol foam, or dry chemical

Heat builds up pressure in closed containers and can rupture or explode.

Carbon Dioxide, Carbon Monoxide, partially burned Carbon, and acrid fumes.

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.

Do not enter fire area without proper protective equipment, including respiratory protection

6. ACCIDENTAL RELEASE MEASURES

Stop leak at source when it is safe to do so. Use non-sparking tools only. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation.

Absorb the liquid with inert material (such as dry sand or earth) and place it in a chemical waste container. Sweep or shovel spills into appropriate container for disposal.

Persons not wearing protective equipment should be evacuated from area of spill until cleanup has been completed. Dike and pump the liquid into waste containers.

7. HANDLING AND STORAGE

Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, and open flames. Avoid breathing vapor and mist. Vapors of this material are heavier than air and will collect in low or confined areas. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Store in a cool, well-ventilated place. Store at temperatures between 50°F-90°F unless otherwise stated. Product must remain in its original sealed containers with manufacturer's name and label in tact. Do not store materials in direct sunlight or where they may be damaged by water or rain. Dry goods (When applicable) must be kept dry.

No Additional Data

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Cement, portland, chemicals 65997-15-1	PELs - 15 mg/m ³ TWA (total dust) PELs - 5 mg/m ³ TWA (respirable fraction) PELs - 50 mppcf TWA (<1% Crystalline silica)	TLV - 1 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	Not Established
Feldspar 14808-60-7	PELs - (30)/(%SiO ₂ + 2) mg/m ³ TWA total dust PELs - (250)/(%SiO ₂ + 5) mppcf TWA, respirable fraction PELs - (10)/(%SiO ₂ + 2) mg/m ³ TWA, respirable fraction	0.025 mg/m ³ TWA (respirable fraction)	Not Established

Use explosion-proof equipment with flammable materials.

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. Ensure adequate ventilation, especially in confined areas.

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-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

Changed contaminated clothing immediately. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid Vapor Pressure: -99999 mmHg Vapor Density: -99999.0 Density: 2.86 Freezing point: Not Available Boiling range: 2230°C Evaporation rate: Not Available Explosive Limits: Not Available Autoignition temperature: Not Available Viscosity: Not Available	Odor: Slight Odor threshold: Not Available pH: Not Available Melting point: Not Available Solubility: Not Available Flash point: 999 F,999 C Flammability: Not Available Partition coefficient (n-octanol/water): Not Available Decomposition temperature: Not Available Grams VOC/liter less water 0.00
--	---

10. STABILITY AND REACTIVITY

STABLE

Incompatible materials

No Data Available / Not Applicable

Hazardous decomposition products

No Data Available / Not Applicable

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Component Toxicity

14808-60-7	Feldspar
	Oral LD50: 500 mg/kg (Rat)

Toxicological Routes of Entry

Inhalation	Skin Contact	Eye Contact	Ingestion
-------------------	---------------------	--------------------	------------------

Specific Target Organs Toxicology

No Data Available / Not Applicable

Effects of Overexposure

Carcinogenicity

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
14808-60-7	Feldspar	9	Feldspar: IARC group 1 - Carcinogenic to humans

12. ECOLOGICAL INFORMATION

No data available

Component Ecotoxicity

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Obtain the consent of pollution control authorities before discharging to wastewater

treatment plants.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations . Do not allow the product to be released into the environment.

14. TRANSPORT INFORMATION

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not regulated for transport			
IATA	Not regulated for transport			
IMDG	Not regulated for transport			

15. REGULATORY INFORMATION

U.S. Federal Regulations

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

14808-60-7 Feldspar Carcinogens

The following chemicals are reportable under Sara 313

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	Toxic Substances Control Act (listed or exempt)	Yes

16. OTHER INFORMATION

This information is provided in good faith and is correct to the best of AVM Industries' knowledge as of the date hereof and is designed to assist our customers; however, AVM makes no representation as to its completeness or accuracy. This product is intended for sale to mainly professional contractor. We require customers to satisfy themselves as to the suitability for their specific applications. Any use which AVM Industries customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. AVM Industries disclaims responsibility for damages, or liability of any kind resulting from the use of this information. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES. IN NO EVENT SHALL AVM INDUSTRIES BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Reviewer Revision

Date Prepared: 9/22/2015

Safety Data Sheet

AVM Industries Inc.

Version 1.1 Revision Date 8-5-15

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Primer 400 Part A Product Code: 400 Primer Part A

AVM Industries, Inc.

8245 Remmet Ave, Canoga Park CA 91304-4133

Tel: (818) 888-0050

www.avmindustries.com

Emergency Contact:

AVM Industries, Inc.

Tel: (818) 888-0050

2. HAZARDS IDENTIFICATION

GHS Ratings:

Skin sensitizer

1

Skin sensitizer

GHS Hazards

H317

May cause an allergic skin reaction

GHS Precautions

P261

Avoid breathing dust, mist, or vapours

P272

Contaminated work clothing should not be allowed out of the workplace

P280

Wear protective gloves, protective clothing, eye protection, and face protection

P321

Specific treatment (see first aid instructions on SDS and on this label)

P363

Wash contaminated clothing before reuse

P302+P352

IF ON SKIN: Wash with soap and water

P333+P313

If skin irritation or a rash occurs: Get medical advice/attention

P501

Dispose contents/containers in accordance with local, state and federal regulations.

Signal Word: Warning



3. COMPOSITION/FORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	25085-99-8	26.00%

4. FIRST AID MEASURES

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.

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

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.

IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

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.

5. FIREFIGHTING MEASURES

Flash Point: 249 C (480 F)

LEL:

UEL:

Suitable extinguishing media: Carbon dioxide, Alcohol foam, or dry chemical

Heat builds up pressure in closed containers and can rupture or explode.

Carbon Dioxide, Carbon Monoxide, partially burned Carbon, and acrid fumes.

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.

Do not enter fire area without proper protective equipment, including respiratory protection

6. ACCIDENTAL RELEASE MEASURES

Stop leak at source when it is safe to do so. Use non-sparking tools only. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation.

Absorb the liquid with inert material (such as dry sand or earth) and place it in a chemical waste container. Sweep or shovel spills into appropriate container for disposal.

Persons not wearing protective equipment should be evacuated from area of spill until cleanup has been completed.

Dike and pump the liquid into waste containers.

7. HANDLING AND STORAGE

Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, and open flames. Avoid breathing vapor and mist. Vapors of this material are heavier than air and will collect in low or confined areas. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Store in a cool, well-ventilated place. Store at temperatures between 50°F-90°F unless otherwise stated. Product must remain in its original sealed containers with manufacturer's name and label in tact. Do not store materials in direct sunlight or where they may be damaged by water or rain. Dry goods (When applicable) must be kept dry.

No Additional Data

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bis-, homopolymer 25085-99-8	OELs not established	OELs not established	Not Established

Use explosion-proof equipment with flammable materials.

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. Ensure adequate ventilation, especially in confined areas.

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-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

Changed contaminated clothing immediately. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid	Odor: Slight
Vapor Pressure: 19.3 mmHG at 70F	Odor threshold: Not Available
Vapor Density: -99999.0	pH: Not Available
Density: 1.05	Melting point: Not Available
Freezing point: Not Available	Solubility: Not Available
Boiling range: 100°C	Flash point: 480 F, 248 C
Evaporation rate: Not Available	Flammability: Not Available
Explosive Limits: Not Available	Partition coefficient (n-octanol/water): Not Available
Autoignition temperature: Not Available	Decomposition temperature: Not Available
Viscosity: Not Available	Grams VOC/liter less water 0.23

10. STABILITY AND REACTIVITY

STABLE

Incompatible materials

No Data Available / Not Applicable

Hazardous decomposition products

No Data Available / Not Applicable

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Component Toxicity

Toxicological Routes of Entry

Ingestion

Specific Target Organs Toxicology

No Data Available / Not Applicable

Effects of Overexposure

Carcinogenicity

CAS Number
None

Description

% Weight

Carcinogen Rating
No Data Available / Not Applicable

12. ECOLOGICAL INFORMATION

No data available

Component Ecotoxicity

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations . Do not allow the product to be released into the environment.

14. TRANSPORT INFORMATION

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not regulated for transport			
IMDG	Not regulated for transport			
IATA	Not regulated for transport			

15. REGULATORY INFORMATION

U.S. Federal Regulations

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

67-56-1 Methyl alcohol Reproductive Toxin

The following chemicals are reportable under Sara 313

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	Toxic Substances Control Act (listed or exempt)	Yes

16. OTHER INFORMATION

This information is provided in good faith and is correct to the best of AVM Industries' knowledge as of the date hereof and is designed to assist our customers; however, AVM makes no representation as to its completeness or accuracy. This product is intended for sale to mainly professional contractor. We require customers to satisfy themselves as to the suitability for their specific applications. Any use which AVM Industries customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. AVM Industries disclaims responsibility for damages, or liability of any kind resulting from the use of this information. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES. IN NO EVENT SHALL AVM INDUSTRIES BE

LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Reviewer Revision

Date Prepared: 9/22/2015

Safety Data Sheet

AVM Industries Inc.

Version 1.1 Revision Date 8-5-15

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Primer 400 Part B Product Code: 400 Primer Part B

AVM Industries, Inc.

8245 Remmet Ave, Canoga Park CA 91304-4133

Tel: (818) 888-0050

www.avmindustries.com

Emergency Contact:

AVM Industries, Inc.

Tel: (818) 888-0050

2. HAZARDS IDENTIFICATION

GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5
Skin sensitizer	1	Skin sensitizer

GHS Hazards

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

GHS Precautions

P261	Avoid breathing dust, mist, or vapours
P264	Wash hands, forearms and face thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves, protective clothing, eye protection, and face protection
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see first aid instructions on SDS and on this label)
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P501	Dispose contents/containers in accordance with local, state and federal regulations.

Signal Word: Danger



3. COMPOSITION/IFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Polyamine Polymer	Polyamine Polymer	19.00%
Propylene glycol diamine, 2-amino-, diether with Propylene	9046-10-0	2.00%
Tetraethylenepentamine	112-57-2	1.00% - 5.00%

4. FIRST AID MEASURES

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.

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention immediately. Continue rinsing.

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.

IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

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.

5. FIREFIGHTING MEASURES

Flash Point: 100 C (212 F)

LEL:

UEL:

Suitable extinguishing media: Carbon dioxide, Alcohol foam, or dry chemical

Heat builds up pressure in closed containers and can rupture or explode.

Carbon Dioxide, Carbon Monoxide, partially burned Carbon, and acrid fumes.

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.

Do not entire fire area without proper protective equipment, including respiratory protection

6. ACCIDENTAL RELEASE MEASURES

Stop leak at source when it is safe to do so. Use non-sparking tools only. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation .

Absorb the liquid with inert material (such as dry sand or earth) and place it in a chemical waste container. Sweep or shovel spills into appropriate container for disposal.

Persons not wearing protective equipment should be evacuated from area of spill until cleanup has been completed.

Dike and pump the liquid into waste containers.

7. HANDLING AND STORAGE

Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, and open flames. Avoid breathing vapor and mist. Vapors of this material are heavier than air and will collect in low or confined areas. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Store in a cool, well-ventilated place. Store at temperatures between 50°F-90°F unless otherwise stated. Product must remain in its original sealed containers with manufacturer's name and label in tact. Do not store materials in direct sunlight or where they may be damaged by water or rain. Dry goods (When applicable) must be kept dry.

No Additional Data

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Polyamine Polymer Polyamine Polymer	Not Established	Not Established	Not Established
Propylene glycol diamine, 2-amino-, diether with Propylene 9046-10-0	OELs not established	OELs not established	Not Established
Tetraethylenepentamine 112-57-2	OELs not established	OELs not established	Not Established

Use explosion-proof equipment with flammable materials.

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. Ensure adequate ventilation, especially in confined areas.

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-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

Changed contaminated clothing immediately. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid Vapor Pressure: -99999 mmHg Vapor Density: -99999.0 Density: 1.03 Freezing point: Not Available Boiling range: 100°C Evaporation rate: Not Available Explosive Limits: Not Available Autoignition temperature: Not Available Viscosity: Not Available	Odor: Slight Odor threshold: Not Available pH: Not Available Melting point: Not Available Solubility: Not Available Flash point: 212 F, 100 C Flammability: Not Available Partition coefficient (n-octanol/water): Not Available Decomposition temperature: Not Available Grams VOC/liter less water 0.00
---	--

10. STABILITY AND REACTIVITY

STABLE

Incompatible materials

No Data Available / Not Applicable

Hazardous decomposition products

No Data Available / Not Applicable

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Component Toxicity

112-57-2 Tetraethylenepentamine
Oral LD50: 3,990 mg/kg (Rat)

Toxicological Routes of Entry

Inhalation Skin Contact Eye Contact Ingestion

Specific Target Organs Toxicology

No Data Available / Not Applicable

Effects of Overexposure

Carcinogenicity

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			No Data Available / Not Applicable

12. ECOLOGICAL INFORMATION

No data available

Component Ecotoxicity

Tetraethylenepentamine 72 Hr EC50 Pseudokirchneriella subcapitata: 2.1 mg/L
96 Hr LC50 Poecilia reticulata: 420 mg/L [static]
48 Hr EC50 Daphnia magna: 24.1 mg/L

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations . Do not allow the product to be released into the environment.

14. TRANSPORT INFORMATION

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not regulated for transport			
IMDG	Not regulated for transport			
IATA	Not regulated for transport			

15. REGULATORY INFORMATION

U.S. Federal Regulations

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- None

The following chemicals are reportable under Sara 313

- None

Country

USA

Regulation

Toxic Substances Control Act (listed or exempt)

All Components Listed

Yes

16. OTHER INFORMATION

This information is provided in good faith and is correct to the best of AVM Industries' knowledge as of the date hereof and is designed to assist our customers; however, AVM makes no representation as to its completeness or accuracy. This product is intended for sale to mainly professional contractor. We require customers to satisfy themselves as to the suitability for their specific applications. Any use which AVM Industries customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. AVM Industries disclaims responsibility for damages, or liability of any kind resulting from the use of this information. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES. IN NO EVENT SHALL AVM INDUSTRIES BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Reviewer Revision

Date Prepared: 9/22/2015



AVM Mat 800

Safety Data Sheet

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

Revision date: 05/01/2017

Supersedes:

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : AVM Mat 800

Product form : Mixtures

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Polyester stitchbonded fabric

1.3. Details of the supplier of the safety data sheet

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

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

No labelling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200)		

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, both acute and delayed

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Direct contact with eyes is likely to be irritating.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation.

AVM Mat 800

Safety Data Sheet

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

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Water fog. carbon dioxide (CO₂). Dry chemical. Foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Molten polyester can cause severe burns to the skin.

Explosion hazard : Product is not explosive.

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

5.3. Advice for firefighters

Precautionary measures fire : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

Other information : Avoid breathing smoke, fumes, decomposition products.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

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

Emergency procedures : Evacuate unnecessary personnel.

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

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain and collect as any solid.

Methods for cleaning up : Dispose of material in compliance with local, state, and federal regulations.

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 : Handle in accordance with good industrial hygiene and safety procedures. Use only in well-ventilated areas. Avoid dust formation. 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 : Store in dry, well-ventilated area. Keep away from ignition sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure 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.

Personal protective equipment : Gloves. Protective goggles.



Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur.

AVM Mat 800

Safety Data Sheet

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

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	: Solid
Color	: Various.
Odor	: No data available
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 265 °C (509 °F)
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.34 - 1.39
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

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

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂). hydrogen. Oxygen. Nitrogen. Carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified

AVM Mat 800

Safety Data Sheet

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

Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause skin irritation.
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

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

In accordance with DOT

Not hazardous for transport

Additional information

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

AVM Mat 800

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt

SARA Section 311/312 Hazard Classes	None
-------------------------------------	------

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

SECTION 16: Other information

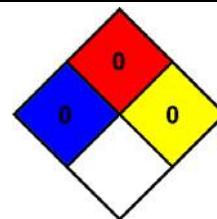
Indication of changes	: Revision 1.0: New SDS Created.
Revision date	: 05/01/2017
Other information	: Author: BCS.

AVM Mat 800

Safety Data Sheet

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

NFPA health hazard	: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
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.



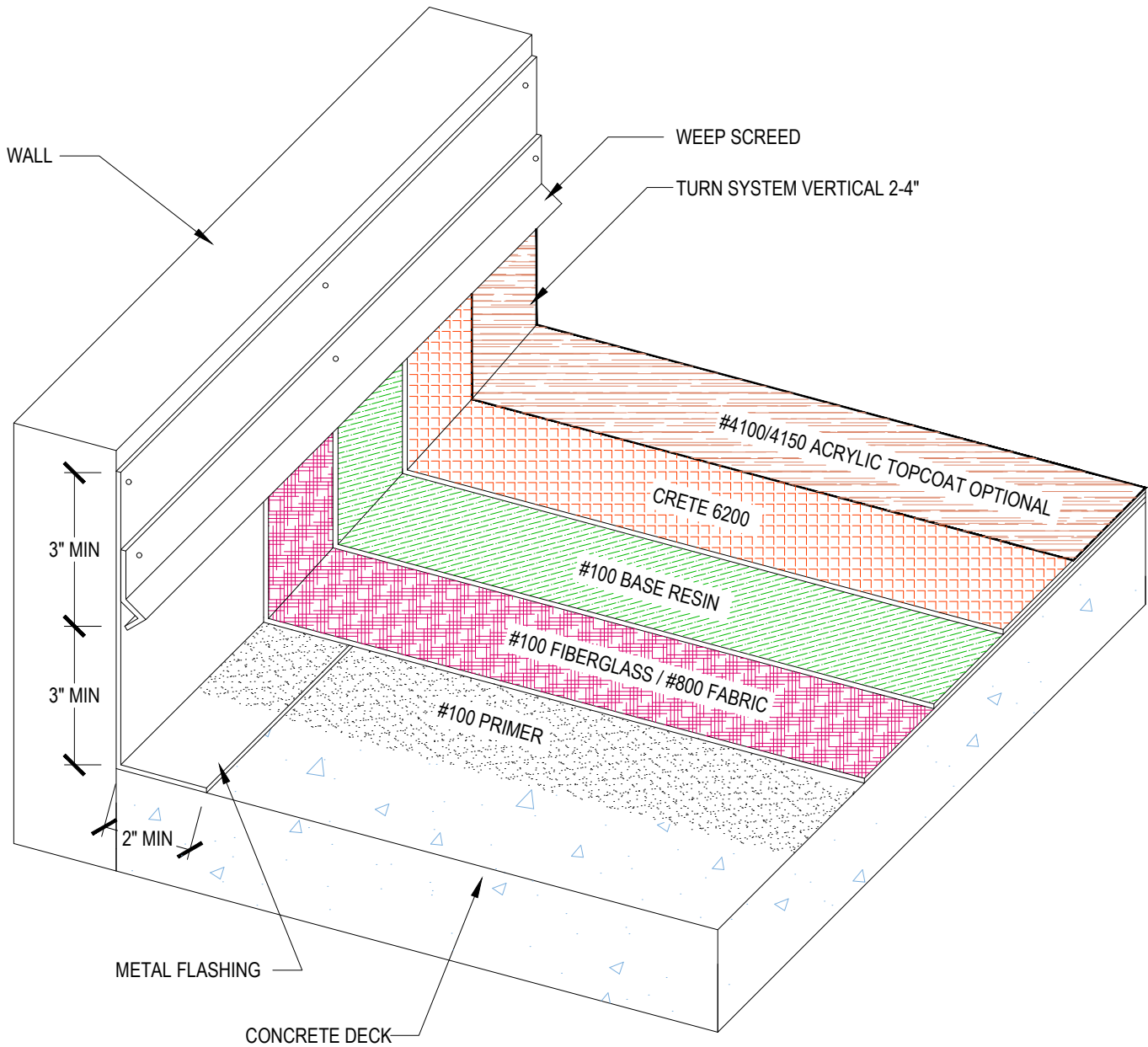
Hazard Rating

Health	: 0
Flammability	: 0
Physical	: 0
Personal protection	:

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 #:
0100-FEC-001-C-ISO
AVM System 100
Forevercoat

Standard Assembly Over Concrete Substrate AVM System 100 Forevercoat



Notes:

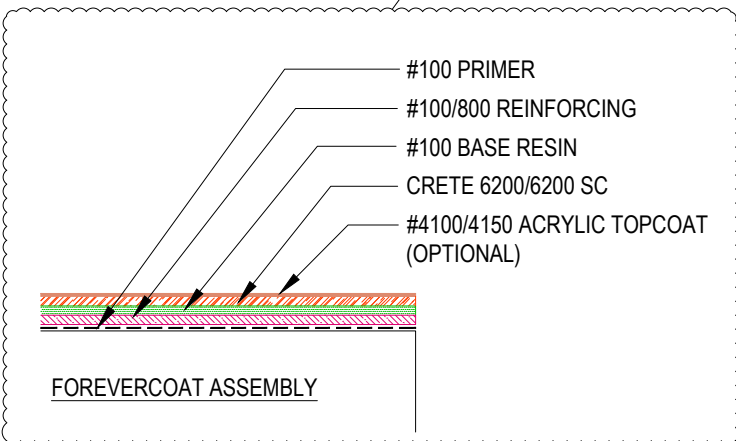
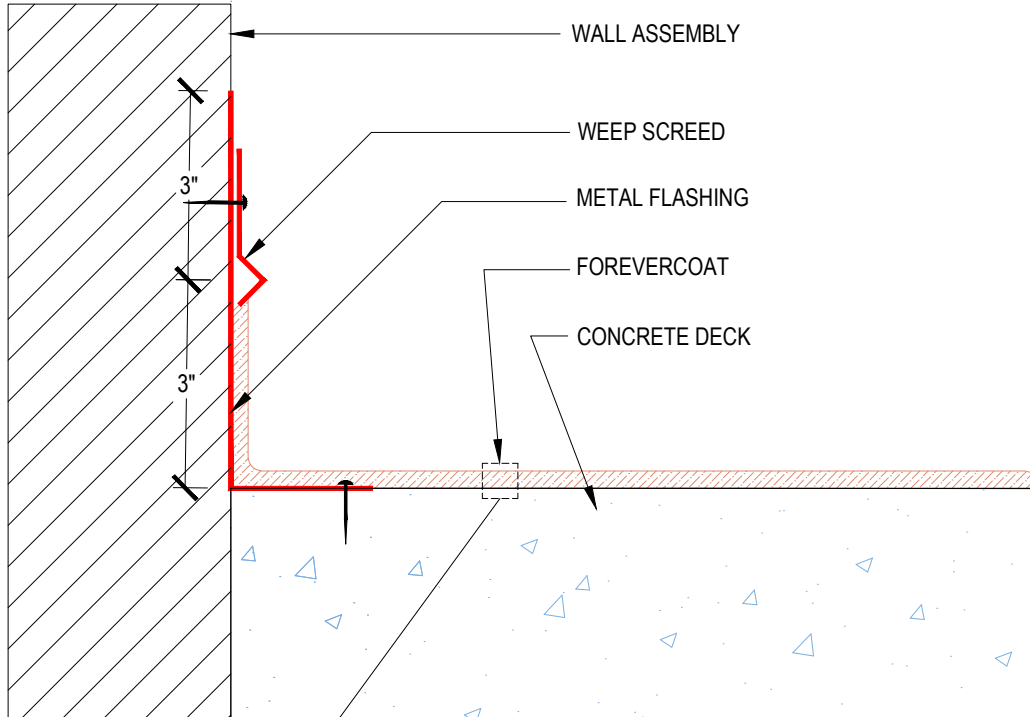
1. Concrete substrate to be minimum 2" thick at 2,000 psi.
2. Metal flashing to be minimum 2" 26 gauge (3-4" on to deck preferred) min 6" on vertical.
3. #100 Fiberglass or #800 Fabric may be used for resin coat.
4. See application instructions for full system recommendations and requirements.

DETAIL #:
0100-FEC-002-C-CS

AVM System 100

Forevercoat

Standard Assembly Over Concrete Substrate AVM System 100 Forevercoat



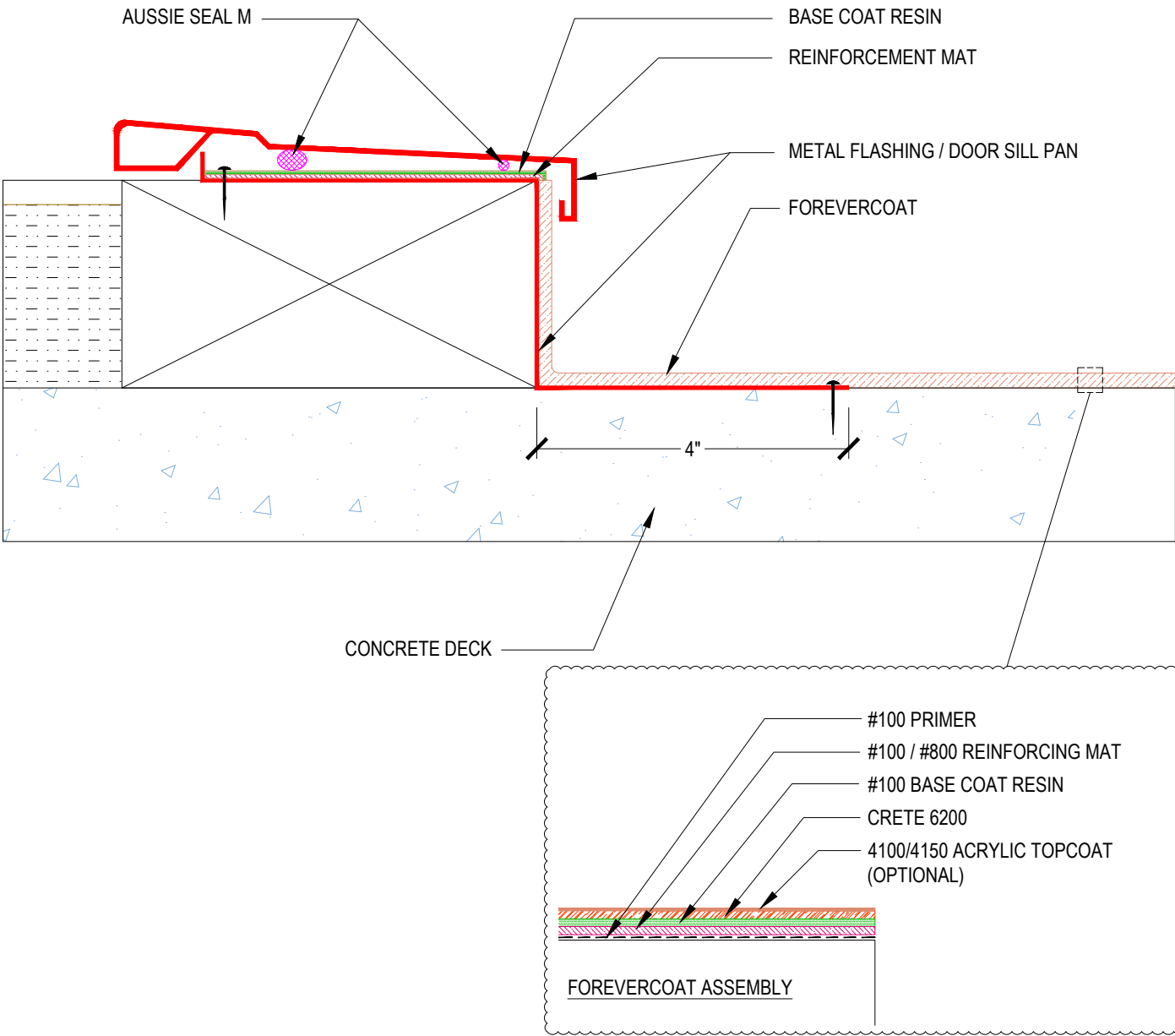
Notes:

1. Edge metals at deck edge of concrete decks is not required
2. Extend deck coating layers (primer, membrane, texture, and sealer) to the slab edge
3. If edge metals are installed on slab edges, contact AVM for details
4. L Metal to extend above top of screed
5. See application instructions for full system recommendations and requirements.

DETAIL #:
0100-FEC-142-P-CS
AVM System 100
Forevercoat

Threshold Over Concrete Substrate

AVM System 100 Forevercoat

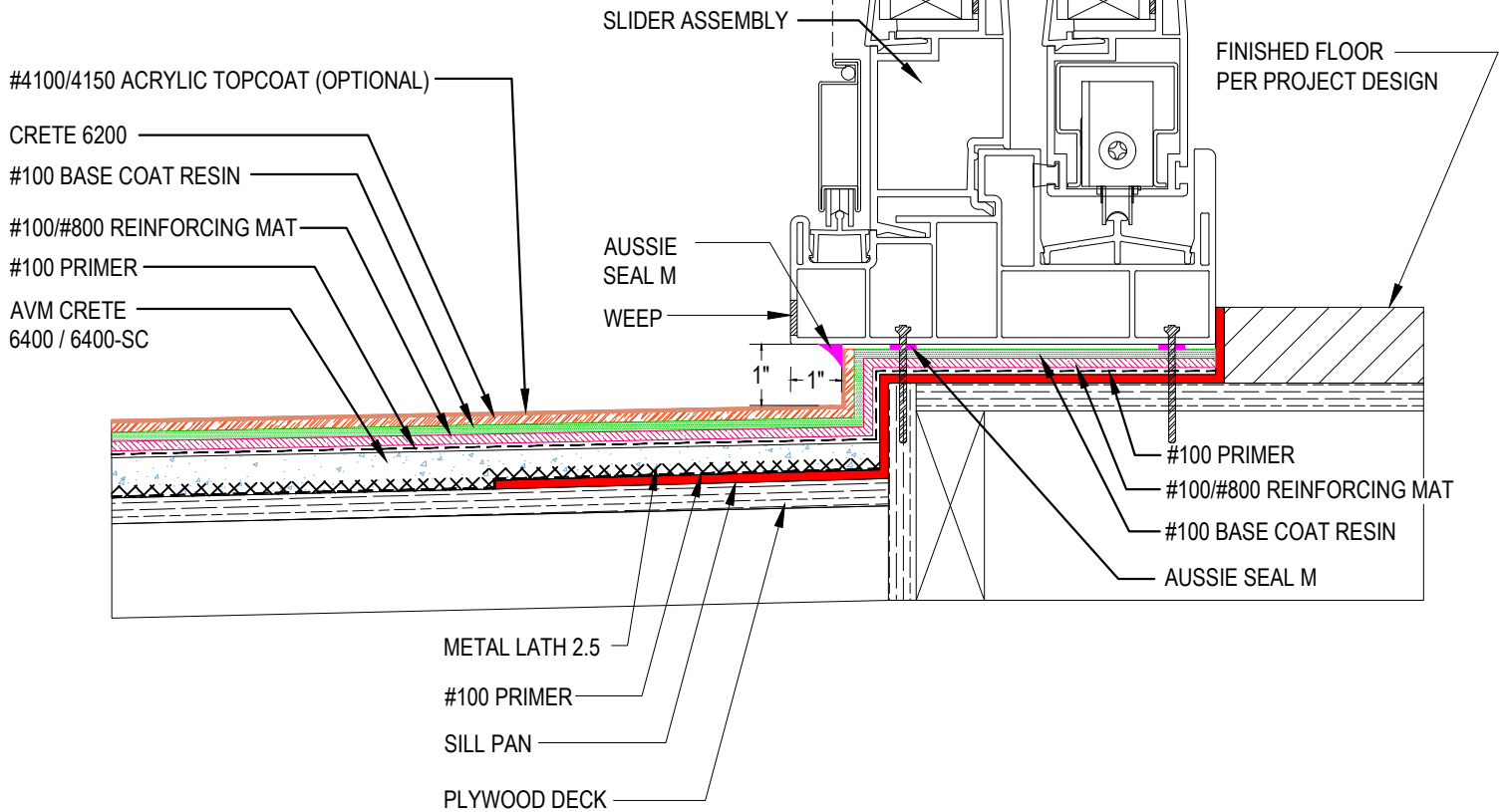


Notes:

1. Extend reinforcing mat and base coat resin to back edge of sheet metal flashing
2. Membrane to be bonded to sheet metal edge
3. See application instructions for full system recommendations and requirements.

DETAIL #:
0100-FEC-154-P-CS
AVM System 100
Forevercoat

Typical Sliding Door Assembly Over Plywood Substrate - Option 1 AVM System 100 Forevercoat

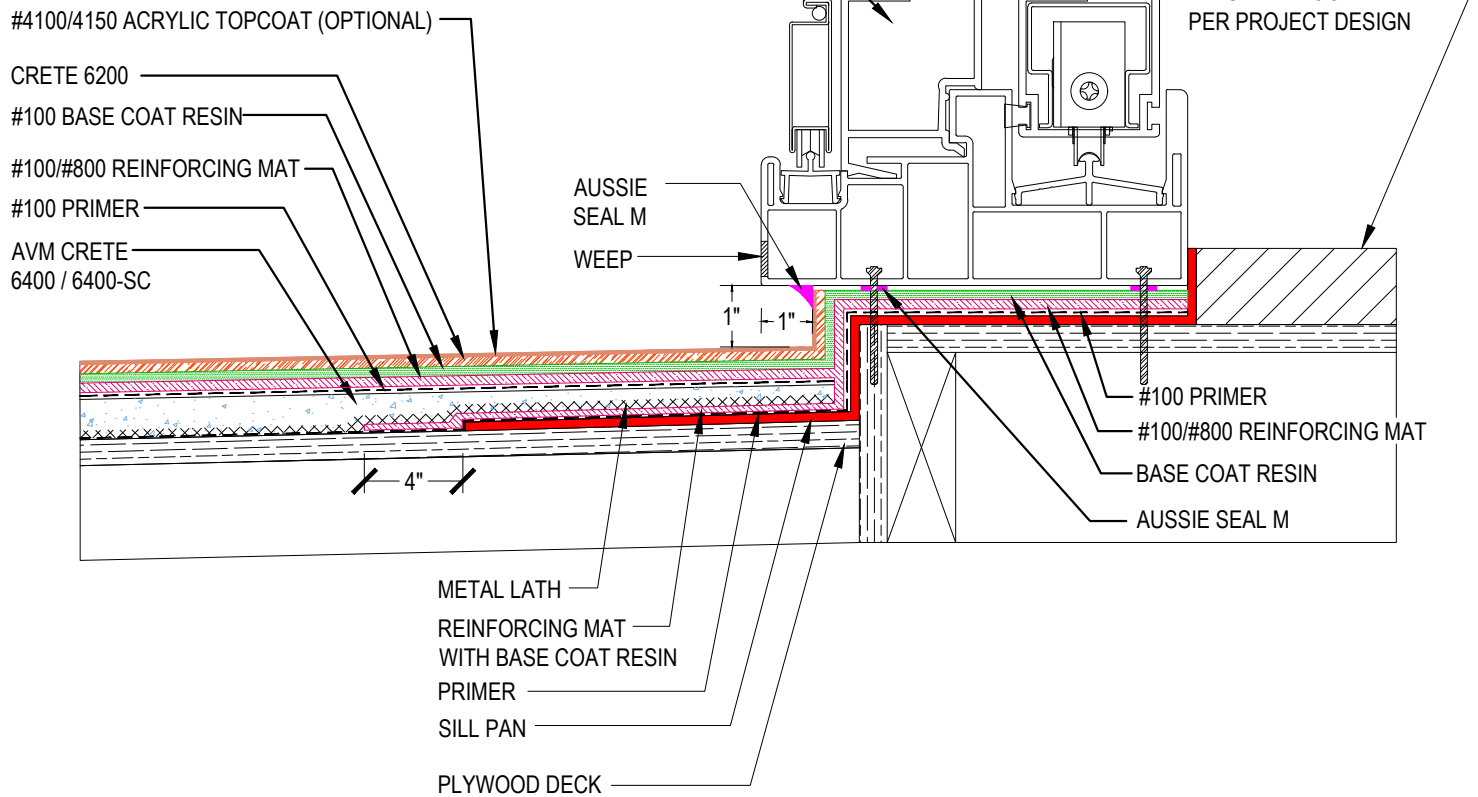


Notes:

1. To ensure proper drainage, do not block the pre-existing weep holes or other drainage openings of the door assembly
2. Ensure water exiting the weep holes drains away from the door
3. See application instructions for full system recommendations and requirements.
4. Sealant - Must use AVM approved sealant.

DETAIL #:
0100-FEC-156-P-CS
AVM System 100
Forevercoat

Typical Sliding Door Assembly Over Plywood Substrate - Option 2 AVM System 100 Forevercoat



Notes:

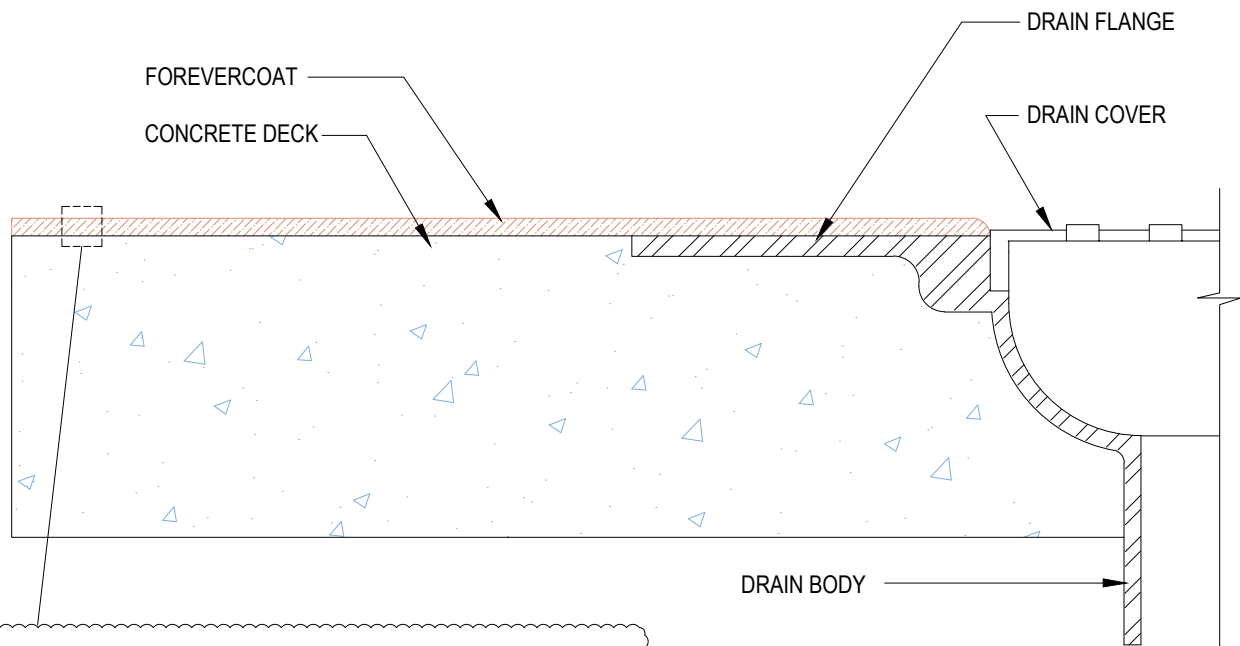
1. To ensure proper drainage, do not block the pre-existing weep holes or other drainage openings of the door assembly
2. Ensure water exiting the weep holes drains away from the door
3. See application instructions for full system recommendations and requirements.
4. Sealant - Must use AVM approved sealant.

DETAIL #:
0100-FEC-162-P-CS

AVM System 100

Forevercoat

Drain Assembly Over Concrete Substrate AVM System 100 Forevercoat



FOREVERCOAT

CONCRETE DECK

DRAIN FLANGE

DRAIN COVER

DRAIN BODY

#100 PRIMER

#100/#800 REINFORCING MAT

#100 BASE COAT RESIN

CRETE 6200

#4100/4150 ACRYLIC TOPCOAT (OPTIONAL)

FOREVERCOAT ASSEMBLY

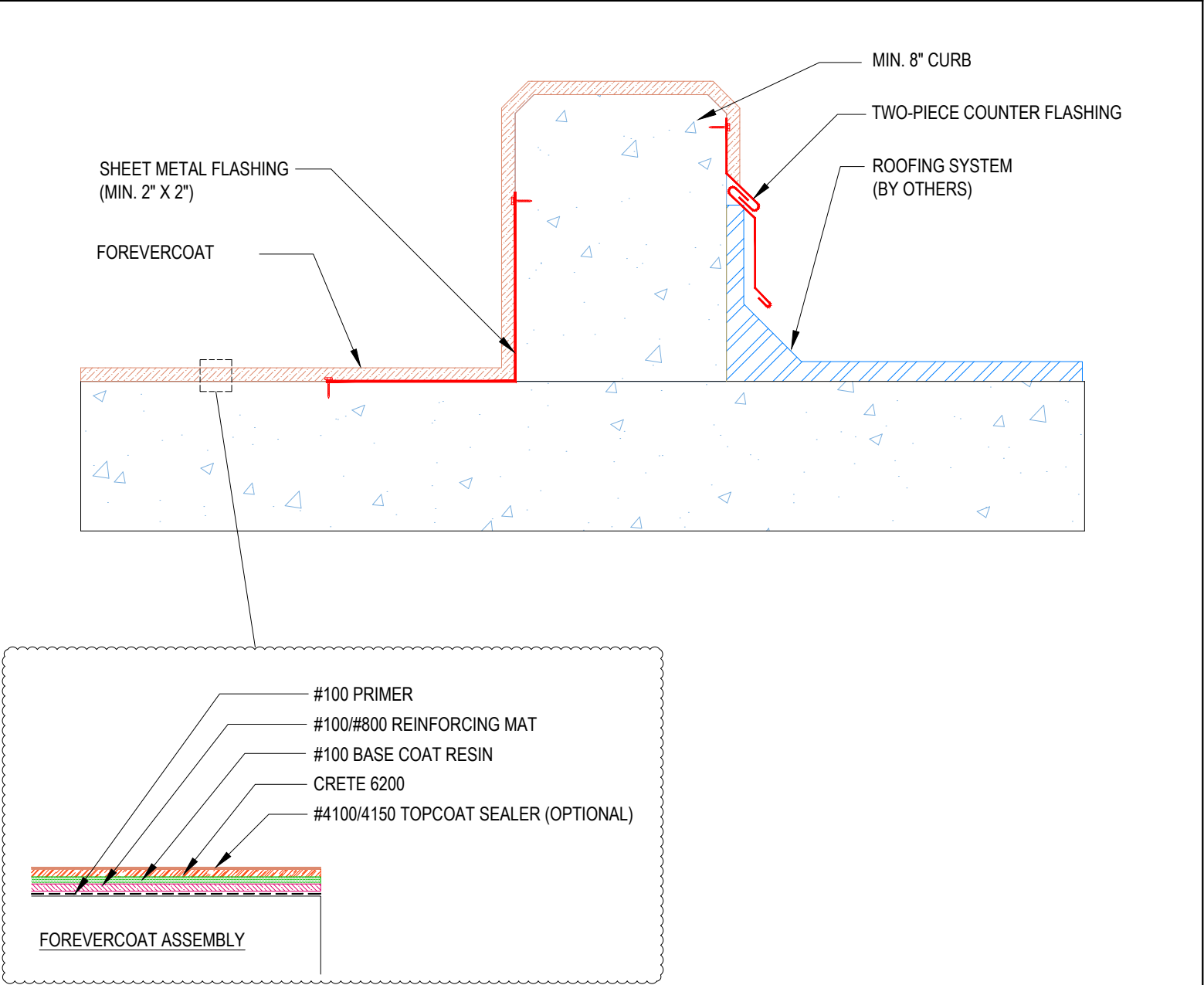
Notes:

1. Remove all paints, primer, oils or any foreign matter by abrading /sanding to bare metal prior to full system application.
2. Base resin and reinforcement may be installed into properly repaired drain body.
3. Drains should have a minimum 2" flange.
4. Ensure drain sits low enough for sufficient slope.
5. Do not block weep holes.
6. See application instructions for full system recommendations and requirements.

DETAIL #:
0100-FEC-462-P-CS
AVM System 100
Forevercoat

Assembly Over Concrete Curb

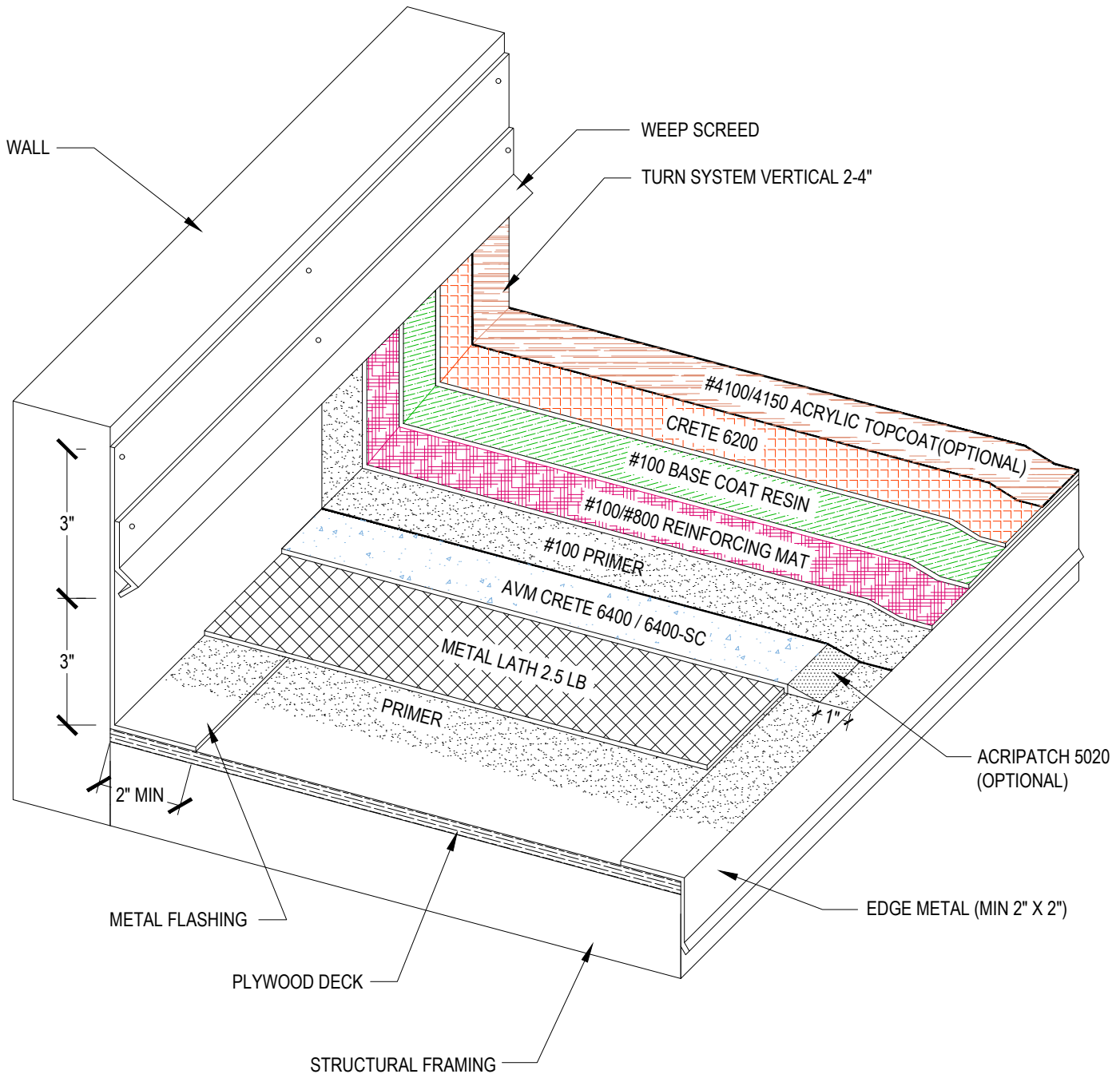
AVM System 100 Forevercoat



DETAIL #:
0100-FEC-501-P-ISO
AVM System 100
Forevercoat

Assembly Over Plywood Substrate

AVM System 100 Forevercoat



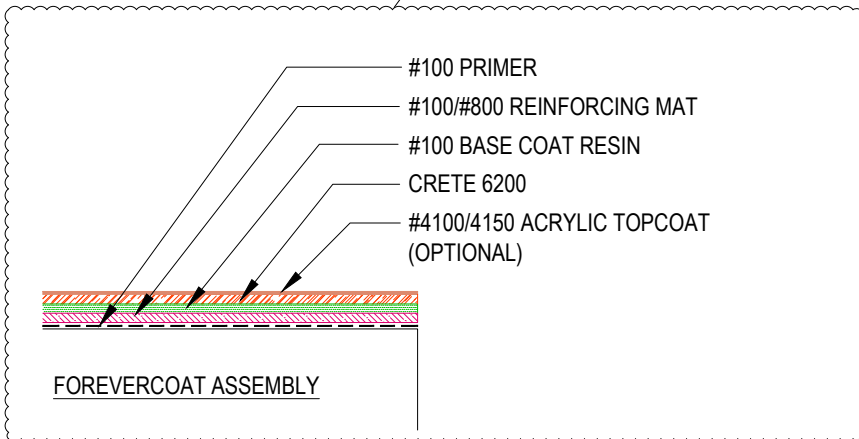
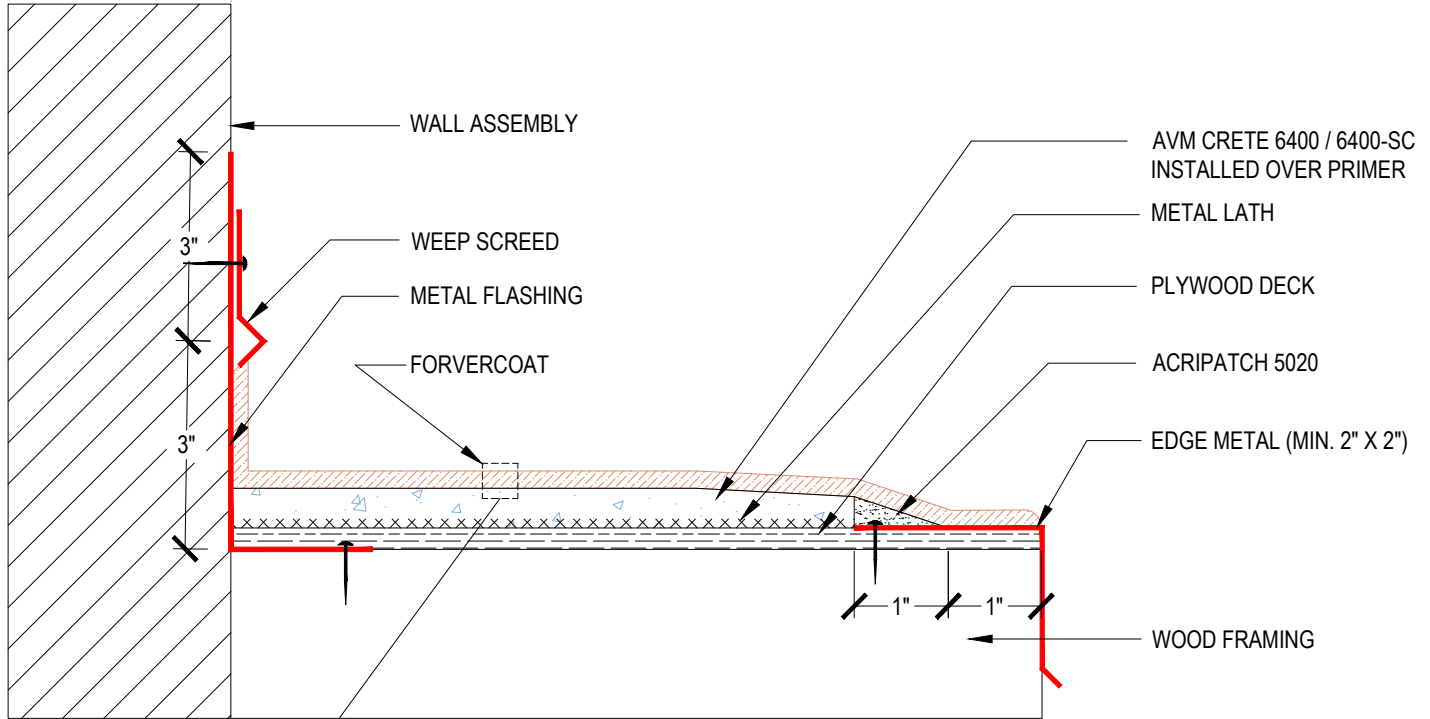
Notes:

1. Plywood to be minimum 5/8" thick.
2. Metal flashing to be 2" 26 gauge (3-4" onto deck preferred) min 6" on vertical.
3. #100 Fiberglass or #800 Fabric may be used for resin coat.
4. See application instructions for full system recommendations and requirements.

DETAIL #:
0100-FEC-502-P-CS
AVM System 100
Forevercoat

Assembly Over Plywood Substrate

AVM System 100 Forevercoat



Notes:

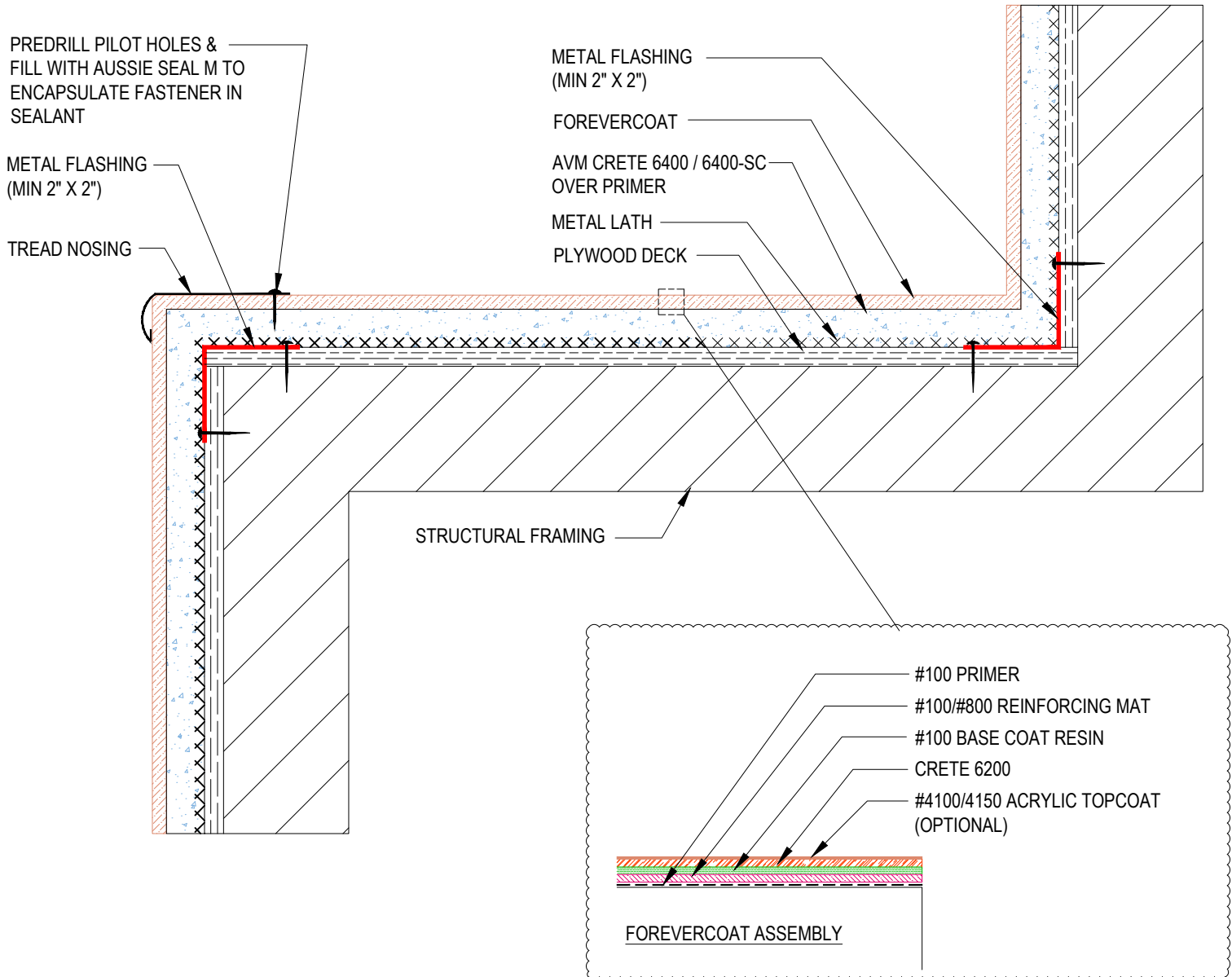
1. Extend membrane, texture, and topcoat to edge of sheet metal flashing
2. Membrane to be bonded to sheet metal edge
3. Terminate Acripatch 1" from edge
4. L Metal to extend above top of screed
5. See application instructions for full system recommendations and requirements

DETAIL #:
0100-FEC-602-P-CS

AVM System 100

Forevercoat

Stairs Over Plywood Substrate AVM Crete on Tread & Riser AVM System 100 Forevercoat

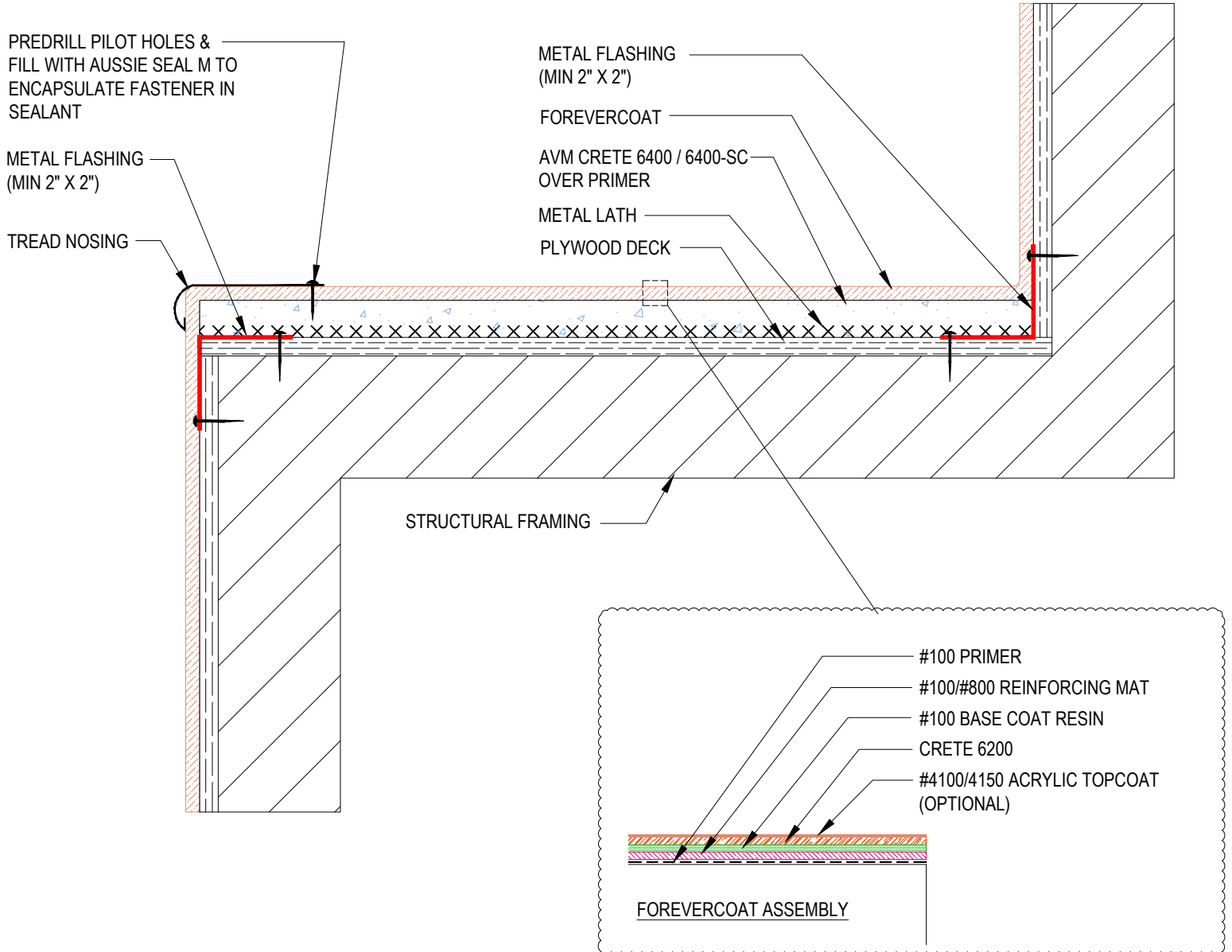


Notes:

1. For sheet metal installation please refer to detail # 0100-EFD-621-P-ISO
2. AVM Crete 6400 - #400 Aggregate with 7400 Additive.
3. See application instructions for full system recommendations and requirements.

DETAIL #:
0100-FEC-604-P-CS
AVM System 100
Forevercoat

Stairs Over Plywood Substrate AVM Crete on Tread Only AVM System 100 Forevercoat



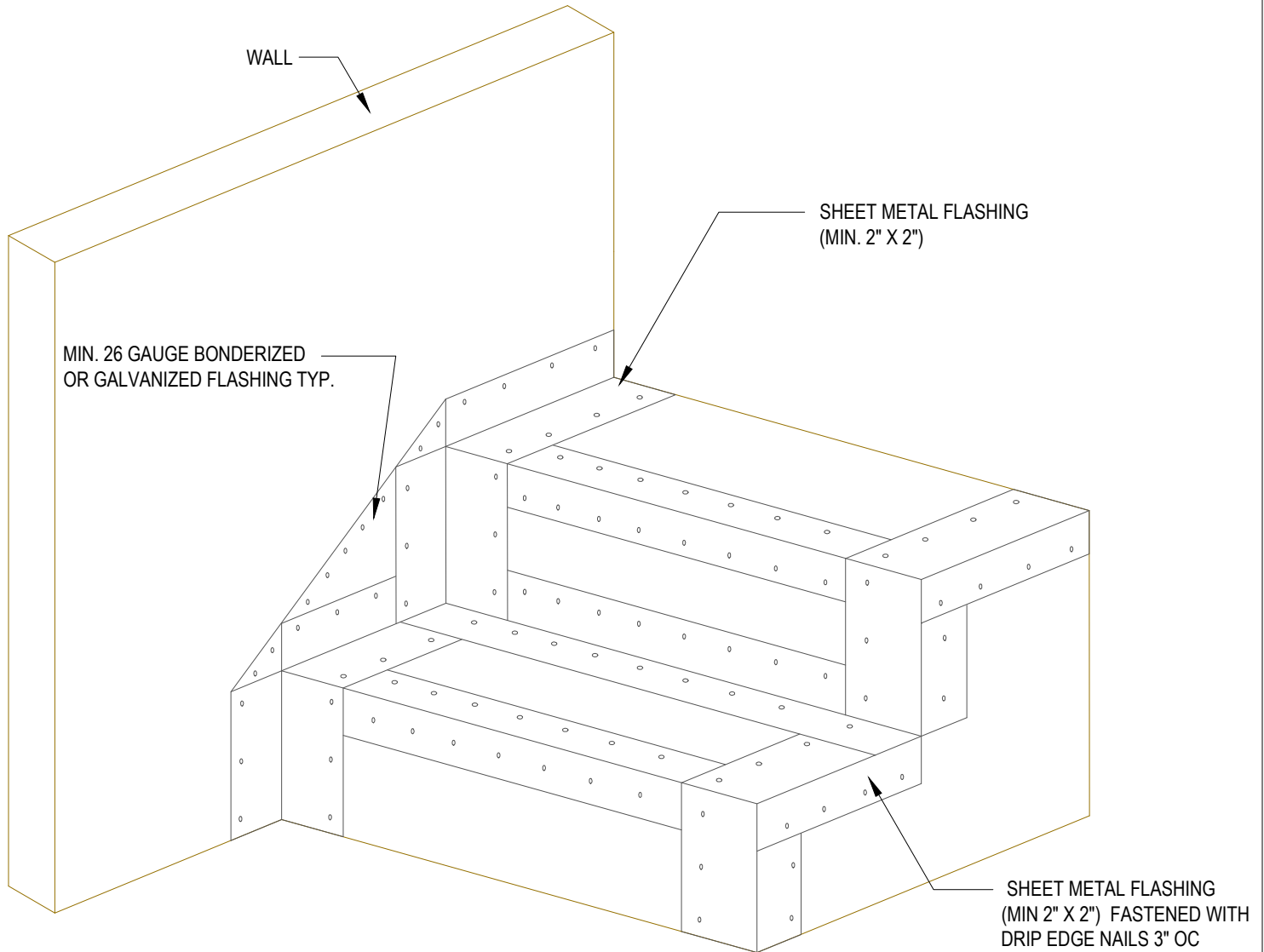
Notes:

1. For sheet metal installation please refer to detail # 0100-EFD-621-P-ISO
2. AVM Crete 6400 - #400 Aggregate with 7400 Additive.
3. See application instructions for full system recommendations and requirements.

DETAIL #:
0100-FEC-621-P-CS
AVM System 100
Forevercoat

Stair Flashing Over Plywood Substrate

AVM System 100 Forevercoat



Notes:

1. Min 2" 26 gauge metal flashing.
2. Lightly abrade / sand to bare metal.
3. Fasten every 3-4" staggered to lie flat.
4. See application instructions for full system recommendations and requirements.

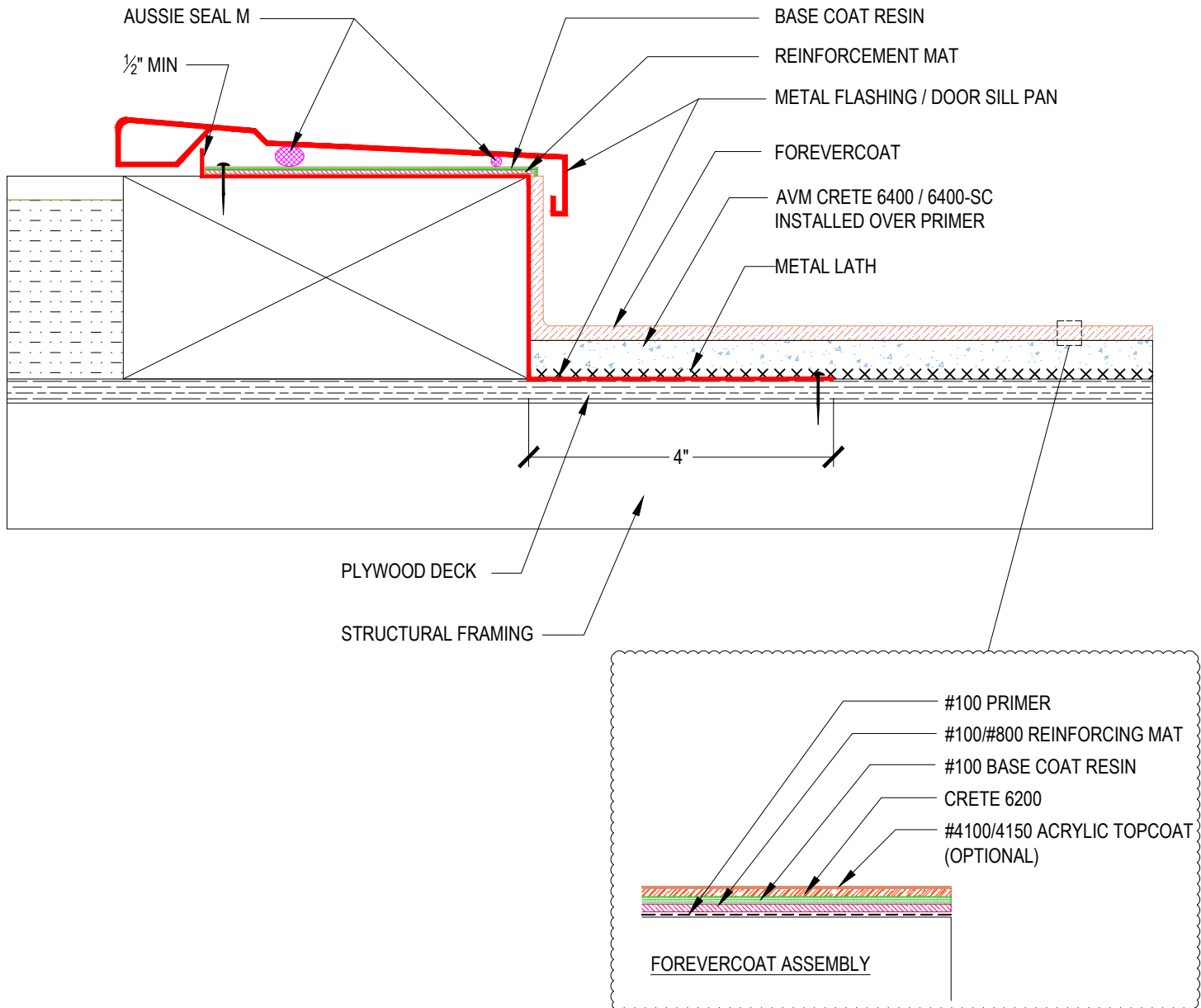
DETAIL #:
0100-FEC-642-P-CS

AVM System 100

Forevercoat

Threshold Over Plywood Substrate

AVM System 100 Forevercoat

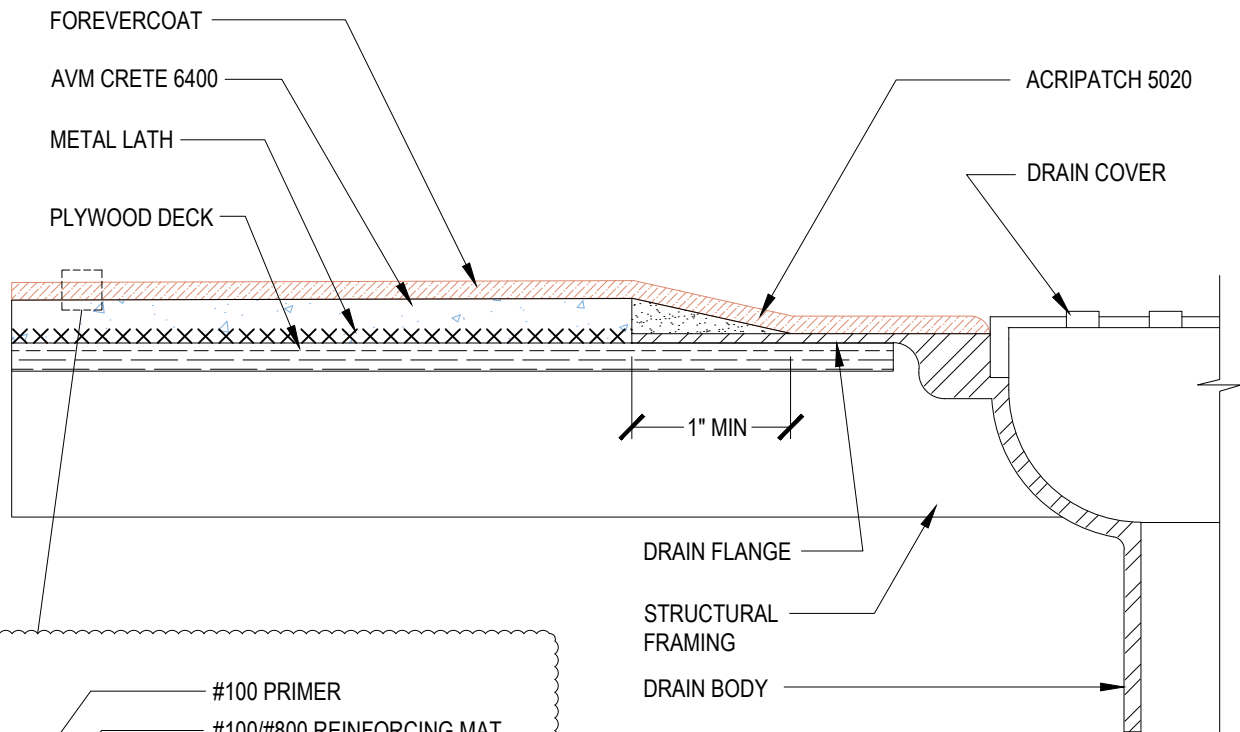


Notes:

1. Extend reinforcing mat and base coat resin to back edge of sheet metal flashing
2. Membrane to be bonded to sheet metal edge
3. AVM Crete 6400 - #400 Aggregate with 7400 Additive.
4. See application instructions for full system recommendations and requirements.

DETAIL #:
0100-FEC-752-P-CS
AVM System 100
Forevercoat

Drain Assembly Over Plywood Substrate AVM System 100 Forevercoat

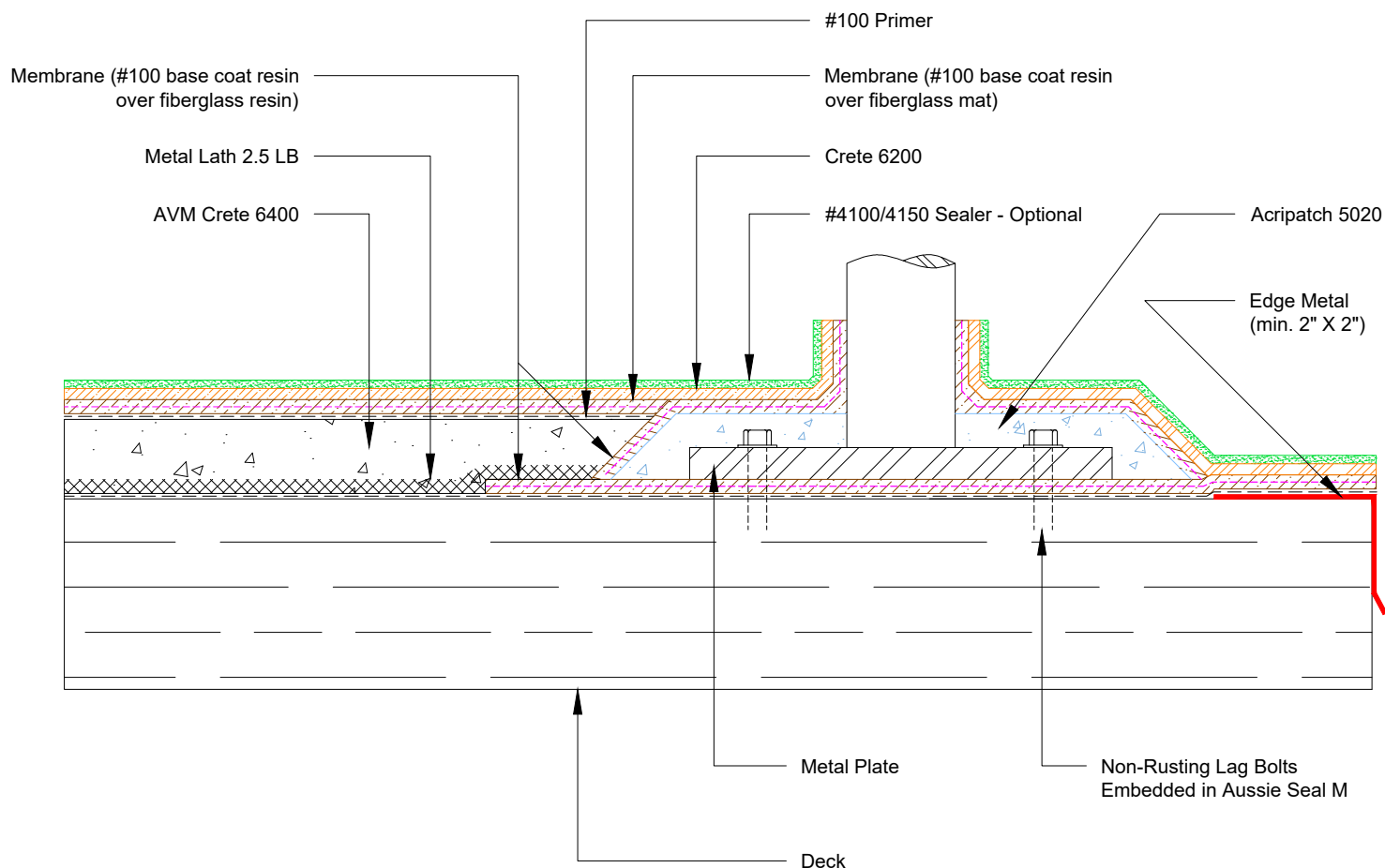


Notes:

1. Stop AVM Crete 6400 at least 2" before drain opening leaving a minimum of 2" exposed flange.
2. Install Acripatch 5020 to transition from Crete 6400 to flange leaving a minimum 1" of flange exposed for direct membrane bonding.
3. Ensure drain sits low enough and that there is sufficient slope to properly drain the water.
4. Drain Flange - Remove all paints, primers, oils or foreign material by abrading / sanding to bare steel prior to full system application.
5. Base resin and reinforcement may be installed into properly prepared drain body.
6. Do not block weep holes.
7. See application instructions for full system recommendations and requirements.

DETAIL #:
0100-FEC-862
AVM System 100
Forevercoat

Railing Support with Mounting Plate AVM System 100 Forevercoat



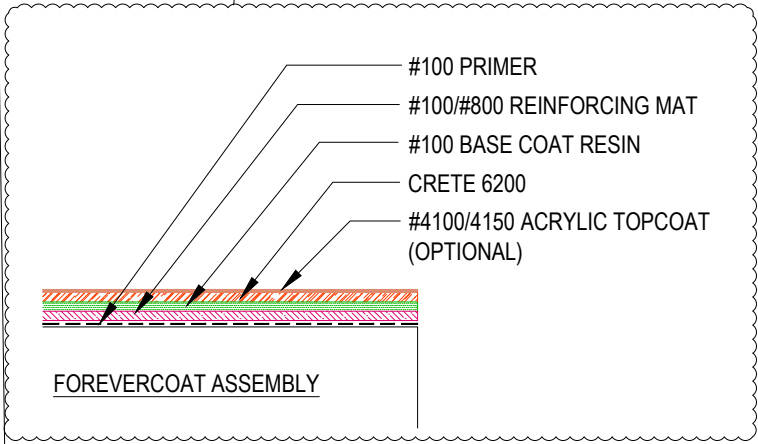
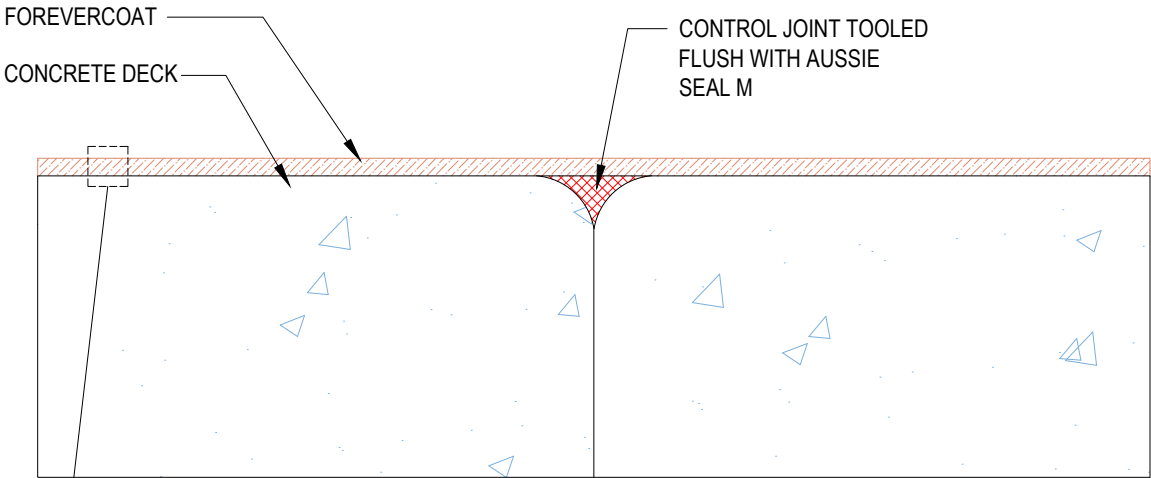
Notes:

1. If there is enough room between outer edge of metal plate and edge metal to install Crete 6400, it must be installed.
2. Face mount railing is the optimal installation for railing systems.

DETAIL #:
0100-FEC-870-P-CS
AVM System 100
Forevercoat

Tooled Control Joint

AVM System 100 Forevercoat

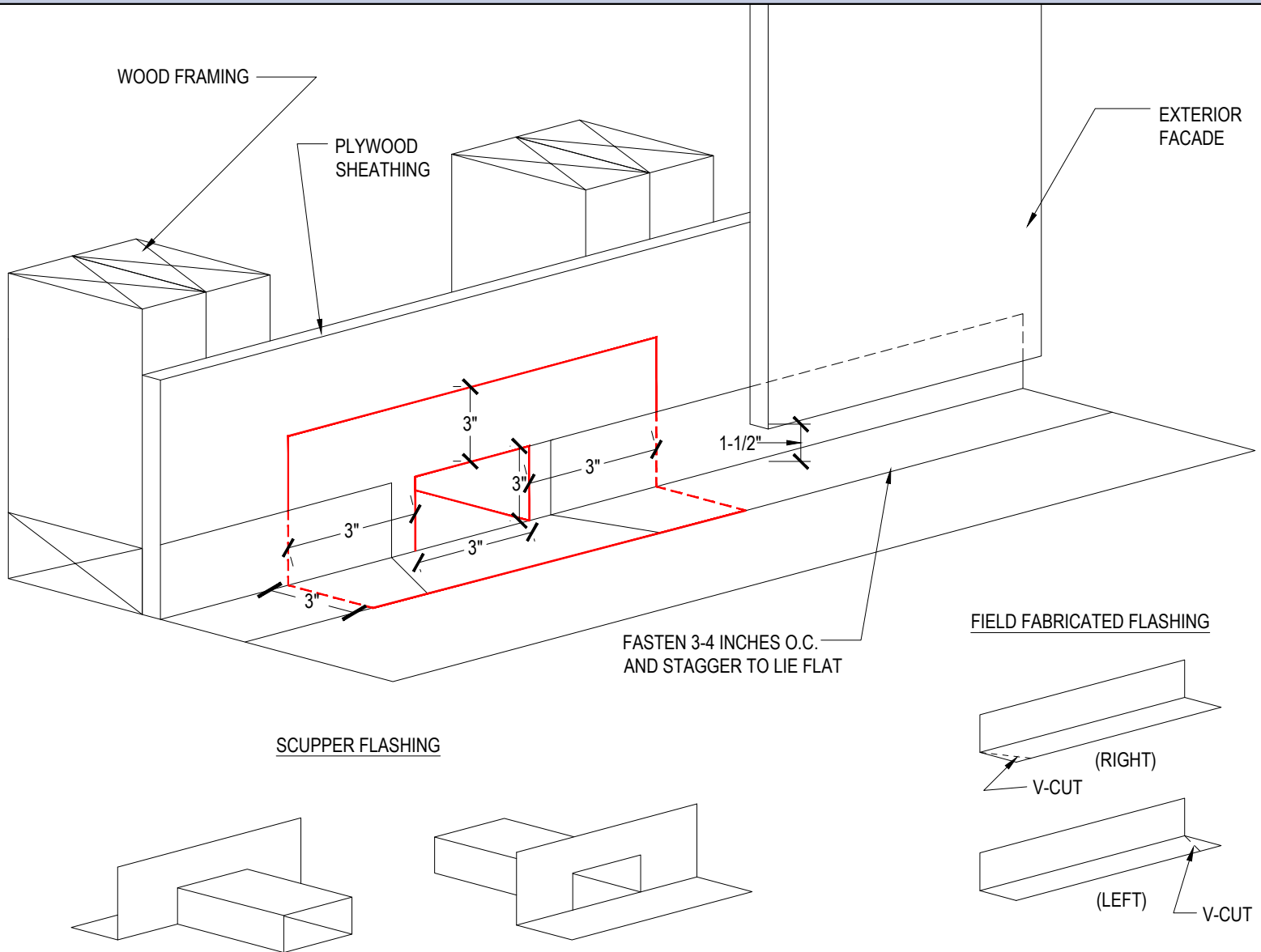


- Notes:**
- Excessive movement at the joint may cause the deck coating above the sealant to crease, deform or fail. Additional Periodic inspections and maintenance of these joints may be required.

DETAIL #:
0100-FEC-900
System:
Forevercoat

Scupper Flashing Detail

AVM System 100 Forevercoat



Notes:

1. Min. 2" 26 gauge metal (3-4" onto deck preferred)
2. Lightly abrade/sand to bare metal
3. Wet set in Aussie Seal M sealant & stagger to lie flat
4. Concrete substrates wet set in Aussie Seal M & fasten as needed with shot pins. Be sure not to spall concrete

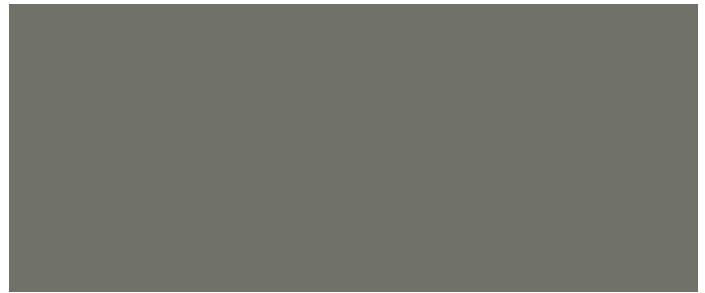
ACRYLIC TOP COAT COLORS

Standard color selection (Also available in Clear #000)



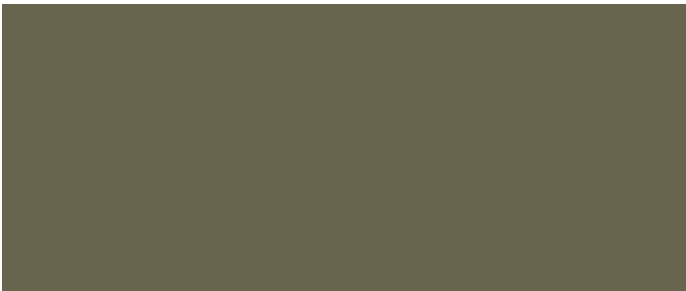
Cape Cod Gray

115



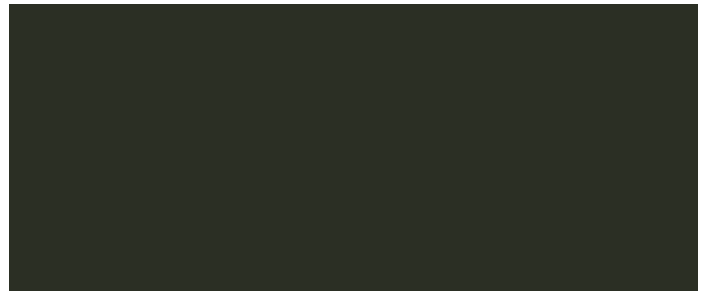
Steel Gray

408



Portland Gray

505



Graphite

531



Mesa Tan

381



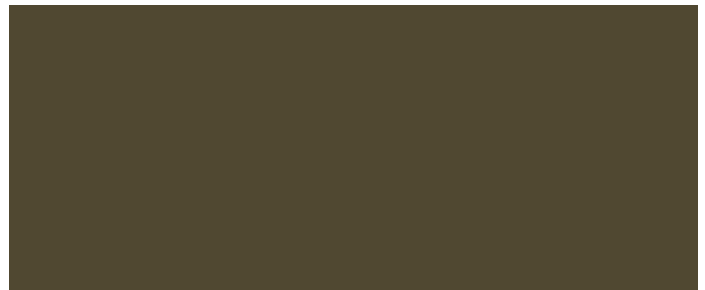
Travatan

213



Spanish Brown

212



Ravenwood

534

Standard Colors for Base Resin 100, Acrylic Texture 100 & Acripatch 5020

Product	Color
Base Resin 100	Silver
Texture 100 (Acrylic)	Silver
Acri-Patch 5020	White

Additional Important Information

AVM Industries’ Top Coat Sealers are also available in Clear (#000)

Custom colors and/or color matching are available at extra charge. For custom colors and/or color matching, minimum orders may apply. This Color Chart applies to AVM Top Coat Sealers 4100 and 4150.

ICC NOTICE: (ESR-2125)

The System 100 Top Coat Sealers (4100 and 4150) when used as part of AVM System 100 Elasto Fiberdeck, AVM System 100 Elasto Fiberdeck CF, AVM System 100 Forevercoat and AVM System 100 Forevercoat CF, are covered by ICC ESR-2125.

CAL-FIRE NOTICE SFM-7A-5 (W.U.I. 8110-2336-0500 and 8110-2336-0501)

The System 100 Top Coat Sealers (4100 and 4150) when used as part of AVM System 100 Elasto Fiberdeck CF and AVM System 100 Forevercoat CF, are covered by W.U.I. 8110-2336-0500 and 8110-2336-0501.

Note: Colors shown are as accurate as possible. Applied color appearance may vary due to surface texture, lighting, size, shape, method of application and adjacent colors. AVM Industries, Inc. reserves the right of reasonable variation. Colors might vary from batch to batch. Custom colors and color matching are available subject to extra charge and minimum order quantities.