



AVM Crete 6700

Cementitious Protective Coating or Bond/Scratch Coat

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

Product Name

AVM Crete 6700

Manufactured by

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

Product Description

AVM Crete 6700 is a polymer modified cement mix, exceeding 6000 PSI when cured, designed for thin applications not exceeding 1/4 inch in thickness. AVM Crete 6700 is specifically designed to be a protective coating over AVM's System 700 and AVM's System 750 (AVM Yellow). It may also 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 coating or texture. (It cures to a dark gray color)

Where to Use

Over the cured AVM System 700 and AVM System 750 (AVM Yellow) membranes. And on new or existing concrete slabs, over brick, tile, and other porous substrates.

Submittals

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

Warranty

Refer to AVM System 700 or AVM System 750 warranties for details. AVM Industries will warranty the system materials for a period of one (1) year in their original, sealed containers. Complete warranty information is available upon request.

Delivery, Storage, and Handling

- Delivery of all the AVM Crete 6700 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. 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

Important Notes

- The following material coverages may vary based on job conditions, the type and the condition of the substrate the AVM Crete 6700 will be going over and other factors. Please read the coverage chart carefully prior to the application of the AVM Crete 6700.
- Where applicable, make sure the drains and scuppers are properly installed before proceeding. Make sure the AVM Crete 6700 can be installed in such a way that ensures all the water will flow into the drains and scuppers. Do **not** block any weep holes!

Inspection/Preparation of Membranes

- Membrane must be properly installed and without bubbles or other noted defects. (See system 700/750 installation instructions for details.)
- Thoroughly clean the surfaces by removing latency, oil, grease, curing agents, debris etc prior to application.

Inspection/Preparation of Concrete Substrates

- Surface texture shall be rough enough for the AVM Crete 6700 to adhere to.
- Damaged/Settled/Cracked concrete shall be repaired prior to commencement of application.
- Thoroughly clean the surfaces by removing latency, oil, grease, curing agents, debris etc prior to application.

AVM Crete 6700 Installation

- Primer:** Apply a thin coat of the AVM Primer 100 to all surfaces scheduled to receive application. Apply at the rate of approximately one (1) gallon per 200-300 square feet. Allow to cure. (Primer not needed when applying over AVM System 700 or AVM System 750)
- Protective Coating:** Mix the AVM Aggregate 200 with the AVM Concrete Additive 7700 using an electric drill and paddle. (Approximately 1.00-1.25 gallons of AVM Concrete Additive 7700 per each 50 lb. bag of AVM Aggregate 200) Apply the AVM Crete 6700 by using a trowel, float or large brush. Apply minimum 1/16" thick.
- Surface Repair/Slurry:** The AVM Crete 6700 to be applied very thin as Slurry. This is good for situations where you intend to install another type of deck coating or surfacing (Brick, tile, etc) over old concrete and all you want is to create a better surface to which this new deck coating or surfacing material will bond to. In this case, keep on adding AVM Concrete Additive 7700 to the mix to get a thinner consistency. (Do not add more than 1.33 gallons of the AVM Concrete Additive 7700 per each 50 lb. bag of the AVM Aggregate 200) Once the desired consistency is achieved, apply a thin coat of primer as stated in step A, and then apply a thin coat of the AVM Crete 6700 to all surfaces to receive deck material using a trowel. You may install it as thin as can be achieved with the trowel. Coverages will vary based on the smoothness of the existing concrete slabs. (See coverages chart for details.)

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

- a. 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.
- b. The completed section shall be protected from heavy pedestrian and wheeled traffic for the first 24 hours after application.

Maintenance

Periodic cleaning and maintenance is required. For further information, refer to the AVM System 700 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 = 1 bag + 1.25 gal. Additive)	One Kit Makes	One Kit Covers at 1/16" Thick
AVM Crete 6700 Protective Coating (Optional)	4 Gallons of Mixed Product	80 Square Feet
Weight of 1 sq. ft. of AVM Crete 6700 installed & cured – 1 sq. ft. at 1/8" thick = ~1.25 lbs.		

Materials	Over Plywood	Over Concrete	Over Sheet Metal
AVM Primer 100 (Optional)	200-300 sq. ft. per gallon	200-300 sq. ft. per gallon	200-300 sq. ft. per gallon
AVM Paste 700	40 sq. ft. per gallon	40 sq. ft. per gallon	40 sq. ft. per gallon
AVM Matt 800 (6" and 40")	Min 2" Overlaps. Allow 5%-10% waste.		

Technical Data - AVM System 700	Over Concrete	Over Plywood
Fungus and Micro Organism Resistance	PASS	PASS
Seam Strength - ASTM D-751 (1989)	PASS	PASS
Breaking Strength - ASTM D-752 (1989)	PASS	PASS
Dimensional Stability - ASTM D1204	PASS	PASS
Waterproofness - ASTM D-4068	PASS	PASS
Shear Strength to Ceramic Tile and Cement Mortar after 100 Days Immersion - ASTM C-482	PASS	PASS

General Data - AVM System 700	
Shelf Life: (Liquids)	One year in original unopened packaging.
Storage Conditions	Store dry at 50°-90°F. If frozen, discard
Cement Mixing Ratio	1 50 lb. bag to 1.0-1.25 gal. additive 7700
Paste Color	Paste is Black
Additive Color	AVM Additive 7700 is Black
Protective Coating	AVM Crete 6200 is Gray
Protective Coating Strength	AVM Crete 6700 achieves over 6000 PSI when cured, providing excellent protection and bonding

Packaging	
AVM Aggregate 200	50 lb. bag
AVM Additive 7700	5.0 gal. pail
AVM Primer 100	2.0/5.0 gal. pails
AVM Paste 700	3.5/5.0 gal. pails

Approximate Shipping Weights	
AVM Aggregate 200	50 lb. bag
AVM Additive 7700	46.0 lbs.
AVM Primer 100	18.0/46.0 lbs.
AVM Paste 700	33.0/46.0 lbs.

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

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