



AVM Crete 6400

Polymer Modified Cement for Sloping, Leveling and Patching

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

Product Name

AVM Crete 6400

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 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.

Submittals

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

Warranty

AVM Industries will warranty the installed system for a period of five (5) years. 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 6400 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 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.

- Application: Mix the AVM Aggregate 400 with the AVM Concrete Additive 7400 using an electric drill and paddle. Apply the AVM Crete 6400 by using a trowel or float. On plywood, make sure all the holes in the metal lath are covered. If more than 1.0" in thickness of the AVM Crete 6400 is required, add 1/2 gallon (approximately 7 pounds) of dry 1/4" Pea Gravel to each mix of 1 gallon of AVM Concrete Additive 7400 and one bag of AVM Aggregate 400.

- Surface Repair/Slurry: (Optional: Use AVM Crete 6200 - 6000PSI for slurry applications) The AVM Crete 6400 may 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 7400 to the mix to get a thinner consistency. (Do not add more than 1.25 gallons of the AVM Concrete Additive 7400 per each 50 LB bag of the AVM Aggregate 400) 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 6400 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)

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 6400 will be going over and other factors. Please read the coverage chart carefully prior to the application of the AVM Crete 6400.
- Where applicable, make sure the drains and scuppers are properly installed before proceeding. Make sure the AVM Crete 6400 can be installed in such a way that ensures all the water will flow into the drains and scuppers.

Inspection/Preparation of Substrates

- Thoroughly clean the surfaces by removing latency, oil, grease, curing agents, debris etc prior to application.
- Damaged/Settled/Cracked concrete shall be repaired prior to commencement of application.
- Plywood must be at least 5/8" thick, Exterior Grade, Structural plywood with maximum span of 16" between supports. All plywood edges must be properly supported.

AVM Crete 6400 Installation

- Primer: (Optional) Apply Primer 100 to all surfaces. For better bonding, upgrade to the AVM Epoxy Primer 401 or 420.
- Metal Lath: (Plywood decks only) Staple the 2.5# Metal Lath perpendicular to the plywood sheets on the entire plywood area scheduled to receive the AVM Crete 6400.

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.

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 below.

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

Materials	Coverages
Primer (AVM Primer 100)	200-300 sq. ft./gal.
Metal Lath 2.5# sheet (plywood substrates only)	8 ft. long x 27" wide. (18 sq. ft. or 2 sq. yds.) 2.5 pounds per sq. yd.
Number of staples for Metal Lath 2.5# sheet	16 Staples per sq. ft. and 1-2 inches on center at seams.
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
Shelf Life: (Additive)	One year in original unopened packaging.
Storage Conditions	Store dry at 50°-90°F. If frozen, discard
Color	Gray or White
Mixing Ratio	Manufactured in a pre-proportioned kit, or bulk.
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	
AVM Additive 7400	1.0/5.0 gal. pails	1.0/5.0 gal. 10.0/50.0 lbs.	6 Grams/Liter
AVM Metal Lath 2.5	single sheets or 10 sheets/bundle	5.0 lbs./sheet	
AVM Primer 100	2.0/5.0 gal. pails	2.0/5.0 gal. 20.0/50.0 lbs.	93 Grams/Liter

The system described in this SPEC Sheet, when used as a part of the AVM Industries' System 100, Elasto Fiberdeck®, passed the ICC ES deck coating testing requirements when installed as described in ICC Evaluation Report ESR-2125.

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

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