



Installation Instructions For:
AVM System 6200
AVM Crete 6200

Table of Contents

PART I-GENERAL 2

 1.01 Description 2

 1.02 Where to Use: 2

 1.03 Applicator 2

 1.05 Project Conditions 2

PART II - PRODUCTS 2

 2.01 AVM Crete 6200 System Materials 2

PART III - EXECUTION 3

 3.01 Inspection of Concrete Substrates 3

 3.02 Preparation of Concrete Substrate 3

 3.03 System Application 3

 3.04 Quality Control 4

 3.05 Protection of Installed Work: 4

 3.06 Clean Up 4

 3.07 Limitations 4

PART IV - METHOD OF REPAIR 5

 4.01 Repairing Damage to the AVM Crete 6200 (Substrate is NOT damaged) 5

 4.02 Repairing Damage to the AVM Crete 6200 (Substrate is damaged) 5

PART V - COVERAGE CHARTS AND SPECIFICATIONS 6

**Installation Instructions For:
AVM System 6200
AVM Crete 6200**

PART I-GENERAL

1.01 Description

AVM Crete 6200 is a polymer modified cement 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 Membrane. (AVM System 700)

1.02 Where to Use:

On new or existing concrete slabs, over brick, tile, and other porous substrates. Also, over AVM System 700, Under Tile Waterproofing Membrane. (For applications directly over plywood, use the AVM Crete 6400)

1.03 Applicator

The applicator shall either be completely experienced in the application of the materials of this system or has carefully read and understood these installation instructions prior to commencing the work.

1.04 Product Delivery, Storage and Handling

- A. Delivery of all the AVM System 6200 materials to the job site must be in their original sealed containers, with the manufacturer's name and label intact.
- B. 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!
- C. Keep all materials out of the reach of children.
- D. Should irritation occur, liberally flush affected areas with water. If irritation continues, see a physician immediately.

1.05 Project Conditions

- A. Do not apply materials at temperatures below 50° F and falling or if precipitation is imminent. Do not apply materials at temperatures above 90° F or rising.
- B. Warn personnel against hazards of materials to the skin and eyes.
- C. No special protective gear is required during the application of the system materials, except for eye protection such as safety goggles and a dust mask.
- D. Protect adjacent surfaces which could be damaged during the application procedure.

PART II - PRODUCTS

2.01 AVM Crete 6200 System Materials

AVM Crete 6200: A pre-proportioned Kit consisting of AVM Aggregate 200 and AVM Concrete Additive 7400.

Division 3-Cementitious Underlayment

Division 9-Finishes

Section 03500 / 09940 / 09960

Rev: Date: 5/22/2000

Installation Instructions For:

AVM System 6200

AVM Crete 6200

AVM Aggregate 200: 50 pound bag of AVM Aggregate 200. (Cementitious)

AVM Concrete Additive 7400: 1.00/5.00 Gal containers of the AVM Concrete Additive 7400 Liquid. (Additive 7700 for protective coating)

Primer: AVM Primer 100, suitable for wood, concrete, and sheet metal substrates.

Patching Compound: AVM Acripatch 5020 for application at joints, voids, cracks, and wood knots not exceeding 1/4 inch maximum thickness.

**Installation Instructions For:
AVM System 6200
AVM Crete 6200**

PART III - EXECUTION

3.01 Inspection of Concrete Substrates

- A.** Concrete substrate shall be clean, free of dirt, dust, oil, grease and curing agents.
- B.** Concrete finish shall be straight without waviness or noted defects, troweled and finished with a light broom surface texture.
- C.** Concrete shall have a minimum 28 day cure time and shall have achieved a minimum compression strength of 2000 psi.
- D.** Damaged concrete surfaces with noted defects shall be repaired prior to commencement of the deck system application.
- E.** Verify that there is enough height to install the AVM Crete 6200 to provide proper slope (recommended final slope:1/8"-1/4" fall per foot).
- F.** Verify that all sheet metal flashing and related accessories are properly secured and joints solidly imbedded in sealant. Install edging metal where shown or required for a complete installation.
- G.** Expansion Joints: **DO NOT COVER ANY EXPANSION JOINTS!** If expansion joints exist, contact AVM Industries for further instructions on how they should be handled. You may also refer to supplied details for suggested waterproofing methods of the expansion joints.

3.02 Preparation of Concrete Substrates

- A.** Remove latence, oil, grease, curing agents, debris and other deleterious materials from surfaces scheduled to receive application. High pressure washing is highly recommended. Acid washing might be needed as well. Remove all paint from Cast Iron Drains by sanding them first!
- B.** Clean hairline cracks and rout out cracks larger than 1/8 inch. Seal cracks and joints flush with the AVM Acripatch 5020 patching compound.
- C.** Just prior to beginning the installation of the deck system, thoroughly clean the areas to receive this work with a blower to remove all debris and dust from the work area.
- D.** Expansion joints are a very critical, yet sensitive areas to be waterproofed and can fail if not properly handled. There are many different methods to waterproof expansion joints. To ensure system compatibility and water tightness AVM Industries must pre approve the suggested expansion joint's waterproofing method(s). Therefore, please submit to us the expansion joint's details in the architectural drawings, the "Spec Book" and any other available information for pre approval.

3.03 System Application

Important Note: The following material coverages may vary based on job conditions, Substrate conditions and other factors. Please read the coverage chart carefully prior to the application of the AVM Crete 6200.

Installing the AVM Crete 6200 over Concrete Substrates: Read Instructions Carefully!

- A. Primer:** Apply AVM Primer 100 to all or concrete and sheet metal surfaces scheduled to receive the AVM Crete 6200. Apply at the rate of approximately one (1) gallon per 200-300 square feet. Allow primer to cure until dry. (approximately 15-45 minutes depending on temperature and wind conditions) Cover all primed areas with AVM Crete 6200 within 12 hours of initial primer application or re priming shall be required.

Installation Instructions For:

AVM System 6200

AVM Crete 6200

- B. AVM Crete:** Apply the AVM-Crete only at temperatures ranging from 50°F-90°F. Mix one bag of the AVM Aggregate 200 with 1.0-1.25 gallon of the AVM Concrete Additive 7400 using an electric drill and paddle. Mix Well! (For larger quantities, a mechanical mixer may be used) Apply the AVM Crete by using a trowel or float. DO NOT apply more than ¼" in thickness. If more than ¼" in thickness of the AVM Crete 6200 is required, use the AVM Aggregate 400 instead.

Curing Time: For AVM Crete ¼" thick allow 24-48 hours curing time. (The curing times are based on nice sunny days reaching 75°F and no more than 50% relative humidity. Actual curing times may vary based on weather conditions) Do not proceed to the next step if the AVM Crete 6200 has not sufficiently cured.

Installation Instructions For:
AVM System 6200
AVM Crete 6200

3.04 Quality Control

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

3.05 Protection of Installed Work:

- A. The completed system shall be protected from all pedestrian traffic for the first 24 hours after application. (Light foot traffic may resume after 4-6 hours, especially in applications less than ¼ inch in total thickness)
- B. Protect completed system from "heavy" pedestrian and wheeled traffic for the next 24-48 hours.

3.06 Clean Up

- A. At completion of installation remove all temporary protection and barricades from the work.
- B. Clean entire work area or where needed. Repair all damage or remove and replace work which cannot be repaired. Touch up all marred and abraded surfaces.

3.07 Limitations

Do Not install the AVM Crete over ¼" thick! For applications exceeding ¼" in total thickness, install AVM Crete 6400.

**Installation Instructions For:
AVM System 6200
AVM Crete 6200**

PART IV - METHOD OF REPAIR

4.01 Repairing Damage to the AVM Crete 6200 (Substrate is NOT damaged)

Damage Description: AVM Crete 6200 is peeling or cracking. (Crack's width does not exceed 1/4")

Method of Repair:

1. Scrape or chisel off any loose cement.
2. Route cracks exceeding 1/8" wide.
3. Remove anything that might prohibit bonding. (High pressure washing is recommended)
4. Prime areas with AVM Primer 100.
5. Fill the cracks with AVM Acripatch 5020 or AVM Crete 6200.
6. Allow to properly cure.

4.02 Repairing Damage to the AVM Crete 6200 (Substrate is damaged)

Damage Description: AVM Crete 6200 is peeling or cracking and the substrate is damaged as well. Or, AVM Crete 6200 is cracking, and the cracks exceed 1/4" in thickness.

Method of Repair:

1. You MUST contact AVM Industries or an authorized AVM Industries installer to review the damage. Since the substrate is damaged, the repairs must be done very carefully to ensure the Structural Strength of the damaged deck areas are not compromised!

*** END OF SECTION 03500 / 09940 / 09960, Installation Instructions for AVM Crete 6200 ***

Version: May 21, 2000

See Technical Data, Specifications and Coverage Chart on the following page.

**Installation Instructions For:
 AVM System 6200
 AVM Crete 6200**

PART V - COVERAGE CHARTS AND SPECIFICATIONS

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

Materials	One Kit Makes	One Kit Covers at 1/16" Thick	One Kit Covers at 1/8" Thick	One Kit Covers at 1/4" Thick
AVM Crete 6200	4 Gallons of Mixed Product	80 Square Feet	40 Square Feet	20 Square Feet
Weight of 1 sq. ft. of Crete 6200 installed and Cured		@ 1/16" thick = ~0.625 Lbs	@ 1/8" thick = ~1.25 Lbs	@ 1/4" thick = ~2.50 Lbs

Materials	Over Plywood	Over Concrete	Over Sheet Metal
AVM Primer 100	Not Recommended	200-300 Sq. Ft./Gal.	200-300 Sq. Ft./Gal.

Technical Data - AVM System 6200		General Data - AVM System 6200	
Cement Color:	Gray or White	Storage Conditions:	Store dry at 50-90F. If frozen, discard
Compressive Strength: ASTM C39,C172,C192,C470	7 Days: 4900 PSI 28 Days: 6000 PSI	Additive Shelf Life:	One year in original unopened packaging.
Cement Mixing Ratio:	1.0 - 1.25 gallon AVM additive 7400 to one 50 pound bag of AVM Aggregate 200. (Available in a pre-proportioned kit)		

Packaging	
AVM Acripatch 5020	2.0 / 5.0 Gal Pails
AVM Aggregate 200	50 Lbs Bag
AVM Additive 7400	1.0 / 5.0 Gal pails
AVM Primer 100	2.0 / 5.0 Gal pails

Approximate Shipping Weights:	
AVM Acripatch 5020	2.0/5.0 Gal 15 / 39 Lbs
AVM Aggregate 200	50 Lbs./Bag
AVM Additive 7400	1.0/5.0 Gal 9/46 Lbs
AVM Primer 100	2.0/5.0 Gal 18 / 46 Lbs

Refer to details 60.3 and 60.4