



Installation Instructions For:
AVM System 200
ELASTO DECK & POOL 200

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PART I-GENERAL

1.01 Description

The Elasto Deck & Pool system is a decorative breathable cement based textured coating designed for resurfacing new and old concrete surfaces.

1.02 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.

1.03 Product Delivery Storage and Handling

1. Deliver all products to the project site in their original, sealed containers or packaging, with manufacturer's name and label intact.
2. Handle and store containers in accordance with printed instructions.
3. Do not store materials in direct sunlight or where they might be damaged by rain or water.
4. All system components shipped in bags must be stored in a cool DRY place.
5. Keep all materials out of reach of children.
6. If irritation occurs during use, liberally flush the skin with water and see a physician.

1.04 Project Conditions

- A. Do not apply materials at temperatures below 40° 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. The fiberglass mat can be an irritant to bare skin and the AVM can cause injury to the eye if splashed into them.
- 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.
- E. The deck substrate shall be properly sloped to freely drain and eliminate the ponding of water.

1.05 Tools Needed for Application

- A. Cutting Knife
- B. Brush
- C. Roller
- D. Electric Drill and paddle
- E. Trowel

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PART II - PRODUCTS

2.01 ELASTO DECK & POOL System Materials

A. AVM Crete 6200

AVM Aggregate 200: 50 pound bag of AVM Aggregate 200. (Ready-Mix Cement) Comes in Gray or White cement.
AVM Concrete Additive 7400: 1.00/5.00 Gal containers of the AVM Concrete Additive 7400 Liquid.

B. Primer: (Optional) AVM Primer 100 (improves bonding)

C. Top Coat: AVM Top Coat Sealer 4100, integral color or clear top coat acrylic system sealer.

D. Patching Compound: AVM Acripatch 5020, (medium duty) for application at joints, voids and cracks not exceeding 1/4 inch maximum thickness.

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 semi smooth or finished with a light broom surface texture.
- C.** Concrete substrate shall be fully cured. On traffic bearing surfaces, concrete substrate shall achieve a min compression strength of 2500 psi.
- D.** Damaged concrete surfaces shall be repaired prior to the installation of System 700.
- E.** Verify that concrete slab provides adequate slope for proper drainage and elimination of ponding.
- F.** Verify that all sheet metal flashing and related accessories are properly secured and joints solidly imbedded in sealant.
- G.** Install edging and other related metals where shown or required for a complete installation.
- H.** Expansion Joints: **DO NOT COVER EXPANSION JOINTS!** If expansion joints exist, contact the architect or AVM Industries for further instructions on how they should be waterproofed.

3.02 Preparation of Concrete Substrates

- A.** Remove oil, grease, curing agents, debris and other deleterious materials from surfaces scheduled to receive application. High pressure washing is highly recommended. Sandblasting or acid washing might be needed, especially on older or very dirty slabs.
- B.** Basic crack preparation: Clean and rout out all cracks. Seal cracks flush with the AVM Crete 6200. (See section 3.03 for AVM Crete 6200 mixing instructions) To prevent the cracks showing through the AVM System 200, use AVM System 900, Crack Repair System. (Highly recommended)
- C.** Just prior to the installation of the AVM System 200, thoroughly clean the areas to receive this work with a broom or blower to remove all debris and dust from the work area.

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System Application

Important Notes: The following material coverages may vary based on job conditions, substrate conditions and other factors. Please read the coverage charts carefully prior to the application of the AVM System 200. Apply the system materials only at temperatures ranging from 50°-90°F

3.03 Installing the AVM System 200 over very rough or old concrete surfaces:

When installing the AVM System 200 over very rough or old concrete surfaces, a bond coat/scratch coat (Slurry Coat) is highly recommended.

Installing the AVM Bond Coat

AVM Crete 6200 made like slurry

Mixing (Wear eye protection while mixing!)

- A.** Put 1.0 gallon of the AVM Concrete Additive 7400 in an empty 5 gallon bucket.
- B.** While mixing with the drill and paddle, Slowly add the entire contents of the AVM Aggregate 200 bag into the bucket.
- C.** Continue to add AVM Additive 7400 until the cement reaches the consistency of slurry. (Expect to use approximately 1¼ gallons of AVM additive 7400 for each 50 pound bag of the AVM Aggregate 200.)
- D.** Mix thoroughly using the electrical drill and paddle.
- E.** **Application**
Apply a very thin layer of the slurry mix using a trowel. (Apply as thin as possible) Make sure the entire surface is properly covered. If sloping or buildup is needed, make a batch using less additive, and use this thicker cement for sloping repairs. Do not exceed ¼" inch thickness. If sloping will exceed ¼" inch in total thickness, use AVM Crete 6400 instead.
- F.** Allow to properly cure. Allow to properly cure. Typically 3-4 hours. (The curing times are based on nice sunny days reaching 75°F and no more than 50% relative humidity. Actual curing times will vary based on weather conditions)
- G.** Once cured, thoroughly clean the deck areas by lightly scraping them with a scraper and then blowing the entire deck areas clean.
- H.** Proceed to step B in section 3.04.

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3.04 Installing the AVM System 200 over concrete surfaces in good condition:

- A. Primer:** Apply AVM Primer 100 to all concrete surfaces scheduled to receive the AVM System 200. 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 within 12 hours of initial primer application or re priming shall be required.

Installing the Texture Coat

**AVM Crete 6200 made for Texture
Mixing (Wear eye protection while mixing!)**

- B.** Thoroughly clean the entire surfaces using a broom or (preferably) a blower.
- C.** Put 1.0 gallon of the AVM Concrete Additive 7400 in an empty 5 gallon bucket.
- D.** While mixing with the drill and paddle, Slowly add the entire contents of the AVM Aggregate 200 bag into the bucket.
- E.** Mix thoroughly using the electrical drill and paddle.
- F.** Spray, trowel, roll or use a commercial grade soft sponge to apply the Texture (AVM Crete 6200), at the rate of one (1) gallon per 40-60 square feet. (See coverage chart for different types of textures)
- G.** If spraying, put a small quantity of the AVM Crete 6200 into a hopper gun and test the texture by spraying it on scrap plywood or plastic. adjust the spray nozzle to apply the material to match the approved sample. Optional troweled, knock down, design, and other finishes may be applied.
- H.** If necessary, add more of the AVM Additive 7400 until the cement reaches the desired consistency.
- I.** Texture the entire areas to be coated. If you are doing "Knock Down" texture, do small sections at a time.
- J.** Allow to properly cure. Typically 3-4 hours. (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 (Texture) is not sufficiently cured.
- K. Top Coat Sealer:** Thoroughly clean the deck areas by lightly scraping them with a scraper and then blowing the entire deck areas clean prior to applying the AVM Top Coat Sealer. Apply the AVM Top Coat Sealer over the cured texture coat at the rate of 100-120 square feet per gallon. Allow the AVM Top Coat Sealer to cure for several hours. (Preferably, 24 hours) If you cannot wait 24 hours, light foot traffic may be allowed when the AVM Top Coat Sealer is no longer tacky. A second layer of the AVM Top Coat Sealer will add strength and longevity in addition to making the color look richer.

Important Notes: For better results, apply the AVM Top Coat Sealer early in the morning when the temperatures are cooler. (Especially when applying the AVM Top Coat Sealer to Non Shaded areas) Apply the AVM Top Coat Sealer "Wet on Wet"!! Applying new (wet) AVM Top Coat Sealer over cured AVM Top Coat Sealer will create two different shades. A second coat of the AVM Top Coat Sealer will make the deck color look richer and will provide extra protection as well.

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3.05 Quality Control

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

3.06 Protection of Installed Work

- A. The completed system shall be protected from all pedestrian traffic for the first 24 hours after application.
- B. Protect completed system from "heavy" pedestrian and wheeled traffic for the next 72 hours.

3.07 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.

PART IV - METHOD OF REPAIR

Repairing Damage to the Elasto Deck & Pool System (Substrate is not damaged)

- 4.01 Damage Description:** Top coat is stained, peeling, cracking or is simply very old. (Texture Coat is not damaged)

Method of Repair:

- 1. Scrape off any loose top coat using a scraper or a stiff brusk.
- 2. Remove anything that might prohibit bonding of the new Top Coat Sealer. (High pressure washing is recommended)
- 3. Re-coat the damaged areas with new AVM Top Coat Sealer 4100. See Section 3.04 item 'K' for application instructions.

- 4.02 Damage Description:** Texture and Top Coat are damaged or peeling. (The substrate is not damaged)

Method of Repair:

- 1. Scrape off any loose texture or top coat using a scraper or a stiff brush.
- 2. Remove anything that might prohibit bonding of the new materials. (High pressure washing is recommended)
- 3. Apply new texture where needed. See Section 3.04 item 'A' for application instructions.
- 4. Re-coat the damaged areas with new AVM Top Coat Sealer 4100. See Section 3.04 item 'K' for application instructions.

Repairing Damage to the Elasto Deck & Pool System (Substrate is damaged)

- 4.03 Damage Description:** The Elasto Deck & Pool is damaged or peeling and the substrate is damaged as well.

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 09960, Installation Instructions for Elasto Deck & Pool ***

Version: May 21, 2000

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

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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 - Slurry	One Kit Covers at 1/16" Thick	One Kit Covers at 1/4" Thick
AVM Crete 6200	4 Gallons of Mixed Product	200+ Square Feet	80 Square Feet	20 Square Feet
Weight of 1 sq. ft. of Crete 6200 installed and Cured		Less than ¼ Lbs/Sq. Ft.	@ 1/16" thick = ~0.625 Lbs	@ 1/4" thick = ~2.50 Lbs

Materials	Over Concrete
AVM Primer 100	200-300 Sq. Ft./Gal.
AVM Crete 6200 Texture - Sprayed Sand Finish	40-60 Sq. Ft./Gal.
AVM Crete 6200 Texture - Sprayed Knock Down Finish	40-60 Sq. Ft./Gal. depending on the desired look
AVM Crete 6200 Texture - Troweled Smooth	35 Sq. Ft./Gal.
AVM Top Coat Sealer 1 st coat	100-120 Sq. Ft./gal
AVM Top Coat Sealer 2 nd Coat	150 Sq. Ft./gal

Technical Data - AVM System 200		General Data - AVM System 200	
		Storage Conditions:	Store dry at 50 ⁰ -90 ⁰ F. If frozen, discard
		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)		

Technical Data - AVM System 100®		General Data - AVM System 100®	
Cement Color:	Gray or White	Storage Conditions:	Store dry at 50 ⁰ -90 ⁰ F. If frozen, discard
Abrasion	4.58% (Pass)	Liquids Shelf Life:	One year in original unopened packaging.
Weatherometer	No Cracking, Softening, Cracking	Cement Mixing Ratio:	Manufactured in a pre-proportioned kit.
Compressive Strength: ASTM C39,C172,C192,C470	7 Days: 4900 PSI 28 Days: 6000 PSI	Top Coat Standard: Colors: Custom:	20 Standard colors Custom colors are available - Min 50 Gal

Packaging:	AVM Aggregate 200 50 LB Bag AVM Additive 7400 1.0 / 5.0 Gal pails AVM Primer 100 2.0 / 5.0 Gal pails AVM Top Coat 4100 2.0 / 5.0 Gal pails
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Approximate Shipping Weights:	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. AVM Top Coat 4100 19 / 47 Lbs.
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PART VI - DETAILS: Refer to Details 2.1, 2.2 and 90.1 - 90.7