AVM 620AL Recoating Guidelines

Pedestrian/Vehicular Waterproofing System

1.Purpose

This document provides guidance for preparing, evaluating, and recoating existing AVM 620 installations to ensure long-term performance, adhesion, and system integrity.

2.General Requirements

Recoating of the AVM 620 Systems must be performed by an AVM-approved applicator and in accordance with the most current AVM Industries installation guidelines. All surfaces must be clean, dry, structurally sound, and meet the preparation criteria listed below

3.Inspection & Evaluation Prior to Recoat

3.1 Substrate & System Condition

Inspect the existing coating for the following:

· Wear from foot/ vehicular traffic
· Insufficient or missing aggregate
· Door thresholds
· Railing systems
· Drains
· Expansion joints
· UV Degradation, Discoloration or Staining
· Cracking, peeling, or delamination
· Ponding water areas
· Movement cracks or joint failures
· Surface contamination (oil, grease, biological growth, dirt, residues)

Any areas showing damage must be repaired prior to recoating. Structural defects must be corrected by others before any waterproofing work begins.

3.2 Moisture Content

In areas where concrete is exposed the substrate must be dry, with moisture content below 5% prior to application. (Installation over a damp or wet surface may lead to adhesion issues or premature failure.)

AVM 620AL Recoating Guidelines

Pedestrian/Vehicular Waterproofing System

4. Surface Preparation

4.1 Cleaning

All surfaces must be thoroughly cleaned using one or more of the following methods:

· Pressure washing (use low pressure, keep distance to ensure no damage to existing coating)

· Mechanical abrasion

· Detergent wash followed by clean water rinse. Allow all surfaces to fully dry.

4.2 Mechanical Prep

Depending on condition, one or more of the following may be additionally required:Reach out to your local AVM Representative for job specific recommendations

· Light sanding or mechanical abrasion to open the existing coating surface

· Removal of loose or delaminated coatings

· Grinding high spots or smoothing transitions

Clean surface again with solvent wipe after mechanical preparation.

4.3 Heavy Staining

Heavy staining should be cleaned using a suitable solvent such as mineral spirits or xylene. Following solvent cleaning, the surface should be thoroughly flushed with clean water to completely remove any remaining solvent residue prior to coating application

5. Repairs Prior to Recoating

5.1 Cracks & Joints

- Cracks ≥ 1/16" must be routed and reinforced using AVM Mat 800 embedded into AVM 620AL Base Coat (or AVM 520 Pro detail coat where required).
- Construction and cold joints must be reinforced in the same manner.

5.2 Damaged Coating Areas

Any blistered, peeling, or delaminated sections must be removed and patched with AVM 520Pro/ 620AL Base Coat (based on system)to match surrounding elevations.

5.3 Penetrations & Terminations

Ensure all penetrations, vertical-to-horizontal transitions, and terminations are sealed and reinforced according to AVM standard details.

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AVM 620AL Recoating Guidelines

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5.4 Expansion joints

All expansion joints shall be honored and shall not be coated over. Please coordinate with your local AVM representative for approved means and methods of detailing

5.5 Primer

If the existing coating is aged, chalking, or excessively worn, or it's a vehicular deck, AVM-Epoxy primer is required to ensure adhesion of the polyurethane coating. In some newer pedestrian decks, proceeding without the epoxy primer may be an option. Perform several adhesion tests before proceeding without the epoxy primer. Consult AVM for details.

If an existing coating is of unknown origin or manufactured by another company, please contact your local AVM representative for additional recommendations and project-specific requirements.

Perform adhesion testing and mockup prior to full system application.

5.6 Coating Application

Contact your local AVM representative for project specific recoat recommendations, as application requirements may vary based on job conditions.

Option 1: Sand Exposed (Not Buried) - If the existing sand broadcast is visible and will remain exposed, apply a light coat of epoxy primer followed by a 20-mil application of AVM 620AL.

Option 2 : Sand Buried with Back-Rolling - Apply a light coat of epoxy primer followed by a 20-mil application of AVM 620. Broadcast sand into the wet coating and back-roll to encapsulate the aggregate.

Option 3 : Sand Buried Without Back-Rolling - Where back-rolling is not practical, apply a light coat of epoxy primer followed by a 10-mil application of AVM 620. Broadcast sand to refusal into the wet coating. After curing, apply an additional 20-mil topcoat of AVM 620 to fully encapsulate the aggregate.

Please refer to the applicable AVM application instructions for additional information, substrate requirements, application procedures and recommendations

Allow coating to cure to AVM requirements before opening to traffic.

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6. Recoat Application Requirements

6.1 Primer

If the existing coating is aged, chalking, or excessively worn, AVM-Epoxy primer is required to ensure adhesion and allow for additional slip resistance. (broadcast sand into primer prior to recoating)

If an existing coating is of unknown origin or manufactured by another company, please contact your local AVM representative for additional recommendations and project-specific requirements.

Perform adhesion testing and mockup prior to full system application.

6.2 Additional Coats (High-Wear Areas)

For high-traffic zones such as:

- Entryways
- Stair landings
- Commercial access areas
- Ramps
- Turn radii

Apply **an additional 10–15 dry mils** to increase durability.

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7. Verification & Quality Control

7.1 Mil Thickness
Use a wet mil gauge to confirm required application thickness during install. Document readings at multiple areas.

7.2 Adhesion
Ensure recoat adheres uniformly with no mud-cracking, pin holing, or areas of poor bond.

7.3 Cure Times
Follow AVM cure-time guidelines:
- Allow to cure fully before pedestrian/vehicular traffic
- Protect from dust, debris, moisture, and inclement weather during cure

8. Notes & Limitations
- Do not apply if rain is expected within the cure window.
- Substrate temperature must be within AVM-recommended range.
- Recoating does not correct structural issues or severe substrate deterioration.
- Contact AVM Technical Support for project-specific recommendations or details.

9. Warranty
Recoating may extend or maintain system warranty only when:
- Performed by an AVM-approved applicator
- Completed in accordance with this document
- Registered with AVM after completion Consult AVM for job-specific warranty eligibility.

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