

Critical Application Errors to Avoid:

AVM CONCRETE BASED DECK COATING SYSTEM

✗ Do not apply over unsound or contaminated substrates

- Do not install over dust, laitance, curing compounds, sealers, oil, or loose material
 - Substrate must be clean, sound, and properly profiled per AVM requirements
 - Weak or chalky concrete will lead to bond failure
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✗ Do not ignore substrate moisture conditions

- Do not apply over standing water
 - Do not apply to frozen substrates or when temperatures are below AVM minimums
 - Do not trap moisture beneath non-vapor-tolerant assemblies
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✗ Do not skip surface preparation

- Smooth or burnished concrete must be mechanically profiled
- CMU must be fully grouted and flushed
- Plywood substrates must meet AVM fastening, thickness, and deflection requirements

Surface prep is critical to system performance and warranty eligibility

✗ Do not alter mix ratios

- Do not exceed AVM's published additive-to-powder ratios
- Do not add water/additive to extend pot life or improve workability
- Do not mix partial bags without accurate measurement
- Do not dilute additive

Over-watering/additive weakens the cement matrix and reduces waterproofing performance

✗ Do not exceed pot life or re-temper material

- Once material begins to set, discard it
 - Re-tempering disrupts cement hydration and voids performance expectations
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✗ Do not apply excessive thickness in a single coat

- Cementitious systems shrink as they cure
- Heavy applications may crack, craze, or debond

Always review system application instructions/data sheets for recommended thickness

✗ **Do not coat over joints or moving cracks**

- Cementitious waterproofing systems are rigid
- Expansion joints, control joints, and isolation joints must be honored
- Do not rely on cementitious materials for crack-bridging

All movement areas must be properly detailed with AVM-approved methods

✗ **Do not skip reinforcement at transitions**

- Changes of plane, penetrations, drains, and terminations must be reinforced per AVM details
 - Failure to reinforce these areas is a leading cause of leaks
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✗ **Do not rush cure times**

- Do not expose to rain, freeze, traffic, or backfill before proper cure
 - Do not force dry with heaters or fans
 - Premature exposure compromises strength and bond
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✗ **Do not mix AVM systems with non-approved products**

- Primers, membranes, coatings, and accessories must be AVM-approved
 - Hybrid systems without written approval may void warranty
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✗ **Do not install outside recommended temperature ranges**

- Do not apply coatings when ambient or substrate temperatures are below 40 degrees or above 100 degrees Fahrenheit
 - **Installing outside these limits may inhibit proper curing and negatively impact system performance**
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AVM Field Reality Check

Most cementitious waterproofing failures are tied to substrate prep, improper mixing, joint detailing, or rushed cure times—not the material itself. Strict adherence to AVM published data sheets and details is required for long-term performance and warranty support.