

Deck Coating Blister | Pinhole Repair

Required Materials

- AVM Epoxy Primer 401FC
- AVM 620 Base Resin
- Acetone for primer
- Xylene for cleaning
- Clean rags
- Sandpaper or grinder (60–80 grit)
- Brush, small roller, trowel, squeegee or putty knife
- Gloves
- Marker

Step 4: Recoat with Topcoat

- Once patch is cured, apply 620 topcoat.
- Blend the repaired area into the surrounding surface.
- Allow full cure before traffic exposure.

Step 1: Inspect and Identify

- Mark all visible pinholes with a marker.
- Look for clusters or areas where air was trapped.
- Possible moisture (aggregate is a source for moisture contamination)
- Membrane fully cured through (should membrane below be tacky it was not fully cured prior to recoat)
- Were the coating ratios mixed properly?
- Was coating installed at manufactures recommended thickness?
- Was concrete properly prepped CSP-3?

Step 2: Surface Preparation

- Remove blisters by cutting out and lightly grind or sand the affected area.
- Wipe with solvent (xylene) and let dry.
- Remove dust and debris completely prior to repair.

Step 3: Patch the Pinholes/Blister

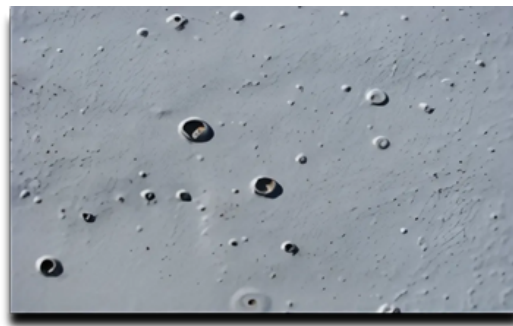
- Mix Epoxy primer 401fc 1 part a to 1 part b and dilute with 5% acetone
- Once primer is tack free to the touch and no pin holes are present install 620AL
- Mix AVM 620 fully mix each part separately then together (4-1 ratio) 620 has a 15 minute pot life
- Apply directly into repair areas using a trowel or small roller to bring up to mil thickness
- Feather the edges and ensure coverage — no air gaps.
- Sand area to reflect aggregate in the rest of the coating
- A new topcoat may be necessary to ensure an aesthetically pleasing finish

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Preventative Tips

To prevent future pinholes/blisters/bubbles

- Prime porous substrates (use AVM 401 if needed).
- Don't apply too thick in a single pass.
- Apply coatings at recommended coverage rates (Frequently check mil thickness with gauge)
- Ensure the deck is dry (use a tramex moisture meter. Deck should not exceed 5lbs per 1000sf)
- Do not apply coating if inclement weather is imminent
- Ensure sprinkler systems remain off for duration of the cure
- Begin application as temperatures are dropping
- Ensure proper surface prep is completed prior to coating
- Be certain material is within expiration
- Be aware of dry times on coatings and do not coat prior to cure
- Use proper size squeegee for mil thickness/ proper size roller when rolling



Be aware that this document does not attest to the complete installation of the product. This is a simple review of the general installation of the product at the time of review. It does not attest to the complete installation of the system, nor does it take responsibility for the installation of the product. All comments noted above are recommendations and do not list all the installation requirements. This site summary is not intended to replace a proper third-party inspection. For complete installation instructions and requirements please visit www.avmindustries.com.