READY TO INSPECT — FIELD CHECKLIST

Concrete slab moisture mitigation rough-in inspection checklist

Concrete slab moisture mitigation rough-in is the last time the work is fully visible. Once the cover inspection passes and the walls, ceilings and slabs close, every defect left behind becomes a demolition bill. This checklist walks the rough-in in the order the work goes in, with the photo each item needs before it gets buried. Work is commonly verified against manufacturer's published instructions, ASTM F3010 / F710 guidance. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The mitigation applicator's lead confirming the slab is ready, or the GC's superintendent releasing the slab before the coat starts. When: After the slab is tested and prepped and before the first mitigation coat, while a wrong system pick or a missed crack can still be caught.

Moisture and system selection

- [ ] Slab moisture or RH result drives the system
  Current in-situ RH or moisture reading on record, the mitigation system selected matching that result and the flooring to go over it, not an assumed value.
  2 photos required
- [ ] Slab clean, dry and free of bond-breakers
  No curing compound, sealer, adhesive residue or dust left on the surface that would stop the coat from bonding to the concrete.
  1 photo required
- [ ] Testing agency's moisture report on file
  Report names the test method used, shows each test location on a plan with its reading, and records the building conditions during the test.
  No photo required
- [ ] Flooring and adhesive makers accept the mitigation system
  Written compatibility from the flooring and adhesive manufacturers for this mitigation system on file, so the flooring warranty holds over the membrane.
  No photo required

Surface preparation

- [ ] Profile achieved across the whole slab
  Prep taken to the profile the system calls for over the full area including edges and corners, verified against the reference, not just in the open field.
  2 photos required
- [ ] Cracks and joints treated before the coat
  Moving cracks and control joints filled or detailed per the system rather than coated over, treatment carried into the joint as specified.
  2 photos required
- [ ] Test sites cleared out and filled before the coat
  RH probe holes, sleeves and test-kit residue removed, holes filled with a product the mitigation system allows and left flush with the prepped slab.
  1 photo required
- [ ] Prepped surface soaks in a drop of water
  Water drops placed across the prepped slab absorb instead of beading, showing open pores the coat can bite into; beading spots marked for more prep.
  1 photo required
- [ ] Repair mortars under the membrane are ones the system allows
  Patching, crack fill and leveling products going under the coat are listed in the mitigation manufacturer's instructions, or get placed over the membrane instead.
  No photo required

Crack map and slab penetrations

- [ ] Crack and joint locations mapped before the coat hides them
  Cracks, control joints and cold joints drawn on the floor plan with the treatment each got, so the flooring crew knows where they run under the membrane.
  No photo required

- [ ] Gaps at slab penetrations packed and sealed
  Voids around pipes, conduit and floor drains filled with a material the system allows, so the coat ties in without bridging an open gap.
  1 photo required

Materials and application conditions

- [ ] Kit labels match the approved mitigation system
  Product name, components and batch numbers on the kits photographed and checked against the approved submittal, shelf-life dates still current.
  1 photo required

- [ ] Slab and air temperatures inside the application range
  Surface and air temperatures and the surface-to-dew-point spread read at the start of work, each within the manufacturer's limit for application and cure.
  1 photo required

- [ ] Zone closed to other trades through application and cure
  Super has the area closed on the schedule and posted at the entries, so no trade walks, stages or rolls carts over the coat before it cures.
  No photo required

- [ ] Components mixed as full kits at the labeled ratio
  Whole kits mixed for the time and with the mixer the instructions call for, no partial or eyeballed batches, each batch placed within its pot life.
  No photo required