READY TO INSPECT — FIELD CHECKLIST

Concrete repair and restoration final inspection checklist

Concrete repair and restoration final inspection is where the punch list is either short or expensive. This checklist walks the finished work the way an owner or AHJ will see it: devices on, systems running, everything labeled. Each item gets the photo that closes it instead of reopening it. Work is commonly verified against ICRI guidance, ACI, manufacturer's published instructions. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The GC's superintendent with the restoration foreman, walking completed repairs after cure. When: After the repair mortar has cured and any curing protection comes off, before the surface is coated, sealed or handed over.

Placement and bond

- [ ] Mortar consolidated and bonded with no voids
  Repair worked tight into the cavity and around reinforcement, no honeycomb or edge voids, full contact against the prepared substrate.
  2 photos required
- [ ] No drummy areas on sounding
  Cured repair sounded across its face and at the edges, ringing solid with no hollow or drummy response indicating debonding.
  2 photos required
- [ ] Every numbered repair photographed with its area number
  Each finished repair shot with its survey number chalked or tagged beside it, so the photo record ties back to the repair plan.
  1 photo required
- [ ] Placement log and repair material test results on file
  Product, lot, water added, placement date and temperatures logged per area, with any cube, cylinder or bond test results the specification requires.
  No photo required

Finish and profile

- [ ] Profile and finish match the surrounding surface
  Repair struck to the surrounding plane, texture and finish blended so the patch reads with the adjacent concrete, edges clean.
  2 photos required
- [ ] No bar, tie wire or form tie showing at the repair face
  No steel, tie-wire tails or form hardware at or just under the finished surface of the patch, where it would stain and spall.
  1 photo required
- [ ] Joints crossing a repair carried back through it
  Control, construction or isolation joints that ran through a repair area re-established at the same line, not bridged over by the patch.
  No photo required
- [ ] Adjacent surfaces cleaned of repair mortar and slurry
  Splatter, slurry runoff and bonding-coat drips cleaned off the surrounding concrete, glass, metal and drains before they harden.
  1 photo required

Cure and protection

- [ ] Repair cured and protected as specified
  Curing method applied and held for the required time, protection in place against sun, wind or traffic, no premature shrinkage cracking at the perimeter.
  1 photo required

- [ ] Curing method compatible with the coating that follows
  The curing compound or method used is one the repair product data and the next coating or sealer allow, or the compound was removed first. No photo required

- [ ] Repairs kept from load until the product's stated time
  Vehicles, foot traffic and reset equipment held off each repair until the time or strength the product data or the engineer's documents give. No photo required

Records and release

- [ ] Each repair drawn on the as-built repair plan
  Final location, repair type and measured size of every repair marked on the plan or elevation, including areas that grew past the original survey outline. No photo required

- [ ] Repair age confirmed before the next trade covers it
  Repairs have reached the age or moisture condition the coating or sealer manufacturer requires before that crew is released onto the area. No photo required