READY TO INSPECT — STANDARD FIELD GUIDE

ICRI concrete repair guidelines

International Concrete Repair Institute

ICRI guidance covers the restoration side of concrete rather than new placement. It addresses how deteriorated material is removed back to sound substrate, how the exposed surface is profiled so a repair will bond, how corroded reinforcement is cleaned and treated, and how the patch is cured. On site it shows up as the questions asked before the repair mortar is placed, because once the patch is on, the preparation underneath is no longer inspectable.

What it covers

- Removal of unsound and delaminated concrete to a sound substrate
- Concrete surface profile for the repair system used
- Reinforcement cleaning, section-loss assessment and treatment
- Bonding, saturation state and repair material placement
- Consolidation and edge detailing of the patch
- Curing and protection of the completed repair

What a field inspection looks at

- Cavity photographed cut back to sound concrete with square edges, not feathered, before any material goes in.
- Surface profile documented against the reference the repair system calls for, shown in the same frame as the prepared face.
- Exposed reinforcement photographed cleaned, with section loss and any supplemental bar visible before it is covered.
- Substrate saturation state recorded at placement so a bond failure can be traced to condition, not blamed on it.
- Cured repair photographed protected and dated, with the method in place rather than noted afterward.

Adoption varies by jurisdiction. Confirm the edition your authority having jurisdiction enforces before you run a walk against it.