

Concrete repair and restoration rough-in inspection checklist

Concrete repair and restoration 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 ICRI guidance, ACI, manufacturer's published instructions. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The restoration foreman with the GC's superintendent, releasing prepared cavities before any repair mortar is placed.
When: After removal and cleaning, immediately before placement, while the cavity, reinforcement and saturation state are all still open to inspect.

Removal

- ☐ **Removal carried to sound concrete**
Delaminated and unsound material fully removed, the exposed base ringing solid on sounding, no soft or drummy spots left in the cavity. 2 photos required
- ☐ **Edges saw-cut square, not featheredged**
Perimeter cut to a defined square edge at the required depth, no thin feathered tapers around the cavity. 2 photos required

Reinforcement

- ☐ **Exposed reinforcement cleaned and coated**
Bars cleaned of rust and scale, undercut where required for clearance behind them, coated per the product instructions after cleaning. 2 photos required

Surface condition

- ☐ **Surface profile and saturation state correct at placement**
Substrate roughened to the specified profile, cleaned of dust and debris, brought to the required saturated state without standing water in the cavity. 2 photos required
- ☐ **Bonding coat applied per the product where required**
Where the repair mortar calls for a scrub or bonding coat, it is worked into the prepared substrate and the repair placed while it is still active, not dried out. 1 photo required