

Pre-pour concrete checklist

There is no re-inspection after a pour. Everything on this list is either photographed before concrete covers it or it is gone. Run this walk with enough lead time that a correction does not cost you the truck.

Who runs it: Concrete foreman and the GC superintendent, with the special inspector where one is required. When: The day before placement, and again immediately before the first truck. Conditions change overnight.

Subgrade and preparation

- ☐ Subgrade compacted, proof-rolled and free of standing water
Uniform bearing, no soft spots, no frozen or saturated ground. 2 photos required
- ☐ Vapor barrier installed, lapped and sealed at penetrations
Laps at the required width, tears repaired, sealed at pipes and at the perimeter. 2 photos required
- ☐ Base material to the correct depth
Measure it and photograph the measurement, not just the surface. 1 photo required

Formwork

- ☐ Forms to line, grade and dimension
Check diagonals for square, elevations against the benchmark, and the top of form against finish elevation. 2 photos required
- ☐ Forms braced, tight and released
Bracing adequate for the placement rate; joints tight enough to prevent paste loss; release agent applied. 2 photos required
- ☐ Joint locations laid out as designed
Construction, control and isolation joints marked before the pour, not decided during it. 1 photo required

Reinforcement and embeds

- ☐ Bar size, spacing and lap lengths match the drawings
Spot-measure spacing and lap length; photograph a tape in frame. 3 photos required
- ☐ Cover maintained on all faces
Chairs and spacers at the correct height and frequency; no bars resting on the vapor barrier. 2 photos required
- ☐ Dowels, anchor bolts and embeds set, located and secured
Verify against the current drawing revision; templates used where accuracy matters. 3 photos required
- ☐ Sleeves and blockouts installed for other trades
Walk it with the MEP drawings. A missed sleeve becomes a core drill. 2 photos required

Placement readiness

- ☐ Mix design approved and matched to the ticket
Check the delivered ticket against the approved mix before discharge. 1 photo required
- ☐ Access, equipment and crew ready for the placement rate
Pump or chute access clear, vibrators on site and working, finishing crew staffed. 1 photo required
- ☐ Weather conditions and curing plan confirmed
Hot- or cold-weather measures ready before placement, not improvised after. 1 photo required