

Shotcrete final inspection checklist

Shotcrete 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 ACI, the applicable building code. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The GC's superintendent with the shotcrete foreman, walking the finished surface before it's covered, tiled or backfilled. When: After shooting and finishing are complete and initial cure has begun, before the surface is coated, plastered or hidden.

Thickness and rebound

- ☐ **In-place thickness verified across the surface**
Finished thickness confirmed at depth gauges and by probing or cores between them, meeting the specified thickness with no thin zones. 2 photos required
- ☐ **Rebound removed, not buried**
Overspray and rebound cleaned off reinforcement, ledges and the work face before the next pass, not encapsulated in the section. 2 photos required

Finish and density

- ☐ **Surface finish and density sound**
Finish to the specified texture, no sand pockets, laminations or dry patches, surface sounded for hollow or drummy areas. 2 photos required
- ☐ **Cracks noted and evaluated**
Any shrinkage or structural cracks marked and measured, distinguished from surface crazing, tracked for repair before closeout. 1 photo required

Curing

- ☐ **Curing carried through the required period**
Wet cure or curing compound applied per the specification and maintained for the full period, surface kept from drying on walls and slopes. 1 photo required