READY TO INSPECT — FIELD CHECKLIST

Sprayed fire-resistive materials (SFRM) special inspection checklist

Fireproofing is only as good as its thickness, density and bond, and finishes hide all three. The independent inspector confirms the substrate, witnesses the testing, and records the results before the assembly is enclosed.

Who runs it: A third-party or owner's-rep special inspector for fire-resistive materials, with the applicator. When: After the structure is accepted and the substrate is ready, during application, and before the assembly is enclosed.

Substrate and materials

- [ ] Structural work below the fireproofing is complete and accepted
  Bolting, welding and any structural signoffs are closed before coating begins. — 2 photos required
- [ ] Substrate clean and prepared to receive the material
  Surfaces free of oil, loose scale and incompatible primers per the listing. — 1 photo required
- [ ] Material and listing match the required assembly rating
  Product and application match the tested assembly for the required hourly rating. — 1 photo required
- [ ] Clips, hangers and attachments to the steel installed first
  Ceiling hangers, duct and pipe supports and other attachments in place before spraying, so the material is not cut later. — 1 photo required
- [ ] Air and steel temperature within the manufacturer's range
  Ambient and substrate temperature and ventilation within the manufacturer's application limits; reading recorded before spraying. — 1 photo required

Application and verification

- [ ] Applied thickness verified at the specified frequency
  Thickness gauge readings taken across members and recorded with locations. — 3 photos required
- [ ] Required thickness per member taken from the approved schedule
  Design thickness for each member size and rating comes from the approved submittal and listing, and sampling follows the statement of special inspections. — No photo required
- [ ] Density verified where required
  Density samples or tests witnessed and recorded against the specified value. — 2 photos required
- [ ] Bond and cohesion checked where required
  Adhesion/cohesion testing performed at the specified frequency. — 1 photo required
- [ ] Coverage continuous at flanges, webs, connections and deck flutes
  No bare steel, voids, cracks or delamination; flutes filled or left open as the listed design requires. — 1 photo required

Patching and closeout

- [ ] Damaged and patched areas repaired and re-verified
  Areas disturbed by other trades patched to the same thickness and re-recorded. — 2 photos required
- [ ] Thin, low-density or poorly bonded areas marked with the reading
  Readings below the scheduled thickness, or failed density or bond results, marked on the member and shown to the applicator before ceilings or walls close in. — No photo required

- [ ] Areas enclosed with open fireproofing items listed by floor
  Any area enclosed before a deficiency was corrected listed by floor and gridline on the report to the design professional of record and the building official.

No photo required