

Firestopping rough-in inspection checklist

Firestopping 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 the applicable building code, listed system documentation. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The firestopping installer or specialty foreman logging each penetration, often sampled by the GC's superintendent or a third party inspector. When: Rolling, as each trade's penetrations are complete in an area, and always before ceiling close or wall cover hides the seal.

Penetration seals

- ☐ **Annular space within the listed system's range**
Gap between penetrant and assembly measured against the system listing, not just filled. 2 photos required
- ☐ **Backing material and fill depth per the listing**
Mineral wool or backer installed to the specified depth, sealant at the listed thickness, full perimeter contact. 2 photos required
- ☐ **Correct system for the assembly and penetrant**
The system number on the label matches the wall or floor type and the pipe, cable or duct going through it. 1 photo required
- ☐ **Sealant, mortar or device matches the product the system lists**
Cartridge, pail or device label photographed and matched to the product named in the system listing and the approved submittal, not a substitute brand. 1 photo required
- ☐ **Opening cut clean with the rated assembly intact around it**
No ragged or overcut gypsum, broken layers or spalled concrete at the edge of the opening; oversized holes patched to the assembly before sealing. 1 photo required
- ☐ **Seal installed on each face the listing requires**
Sealant, backing or device checked on every side the system calls for: both faces at wall penetrations, the top alone where the floor listing seals from above. 1 photo required
- ☐ **Cable penetrations within the listing's fill and bundle limits**
Where cables pass through, bundle size, percent fill and cable types checked against the system, with cables separated so sealant reaches the interstices. No photo required
- ☐ **Abandoned cores and unused sleeves sealed as blank openings**
Holes left by relocated work or spare sleeves with no penetrant closed with a system listed for a blank opening in that assembly, and labeled. No photo required

Joint systems

- ☐ **Head-of-wall and perimeter joints filled continuous**
Joint material continuous with no skips, compression fit or spray thickness per the joint system listing. 2 photos required
- ☐ **Joint movement capability preserved**
No rigid material bridging a rated movement joint, spray or sealant tooled to allow movement. 1 photo required
- ☐ **Joint width measured against the joint system's listed range**
Gap at the head, perimeter or floor edge measured at its widest point and compared to the maximum width the joint listing allows. 1 photo required

Identification

- ☐ **Every seal labeled with system and installer**
Label adjacent to the penetration with system number, date and installer ID, legible after adjacent finishes. 1 photo required
- ☐ **Seal locations logged to a floor or zone map**
Each penetration tied to its room, shaft or zone so the closeout package can be assembled without a re-survey. 1 photo required
- ☐ **Engineering judgment on file before sealing an unlisted condition**
Any penetration or joint with no matching listed system held until the manufacturer's engineering judgment for that exact condition is on site for the AHJ's review. No photo required
- ☐ **Installer qualification documented as the specification requires**
Manufacturer training, contractor approval or qualification record the specification names on file for the crew doing the sealing. No photo required