

Spray polyurethane foam insulation rough-in inspection checklist

Spray polyurethane foam insulation 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, manufacturer's published instructions. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The spray applicator or crew lead checking the bay, with the GC's superintendent confirming the cavity is closed to inspection. When: Immediately before spraying each area, once rough-in inspections are signed and the cavity is otherwise ready to close, but before any foam is laid.

Substrate and conditions

- ☐ **Substrate clean, dry and sound**
Framing and sheathing free of dust, oil, frost and standing moisture, no wet spots where the foam would fail to adhere. 2 photos required
- ☐ **Ambient and substrate temperature and dew point within range**
Air and surface temperature read and compared to the product's published window, dew point checked so the substrate isn't below it. 2 photos required

Preparation

- ☐ **Masking and protection in place**
Windows, electrical panels, finished surfaces and equipment masked or covered, floor protected, so overspray lands only where foam belongs. 2 photos required
- ☐ **Penetrations and gaps to be sealed identified**
Pipe, wire and duct penetrations, top plates and rim joists that the foam is meant to seal are located and open, none blocked or already stuffed with something else. 2 photos required