

Service Penetration Checklist

Plumbing, electrical, data, refrigeration and gas — every trade, one checklist.

PROJECT / ADDRESS

DATE

CHECKED BY

Service penetrations are individually minor and collectively significant — a home can have dozens spread across five different trades. Work through each trade below before plasterboard is installed.

Plumbing

- Every pipe penetration through the airtightness layer identified
- EPDM pipe grommet fitted (e.g. Pro Clima Roflex) where diameter allows
Fastest, most repeatable method for round pipes.
- Airtight sealant used where a grommet doesn't fit
Irregular penetrations or oversized cores.
- Penetration sealed to the membrane or frame, not just packed

Electrical

- Every cable penetration identified (power, lighting, data)
- Cable grommet fitted (e.g. Pro Clima Kaflex) for single or bundled cables
- Airtight electrical boxes used on external walls
Or standard boxes individually sealed to the membrane.
- Downlight penetrations in the ceiling sealed

Data & communications

- Every data/comms cable penetration identified
- Cable grommet fitted or penetration sealed
- Penetration point confirmed continuous with the membrane

Refrigeration (split systems)

- Refrigerant pipe penetration through wall or roof identified
- Pipe grommet fitted or sealant applied around the lineset
- Penetration sealed on both internal and external faces

Gas

- Every gas pipe penetration identified**

- Penetration sealed with an appropriate airtight sealant**

- Sealing method confirmed compatible with gas fitting standards**
Check with your gas fitter before sealing.

Sequencing tip: a penetration that's perfectly sealed the day it's roughed in is easy to forget once other trades have worked past it. Seal at first fix, and confirm everything is still sealed at the pre-lining blower door test.