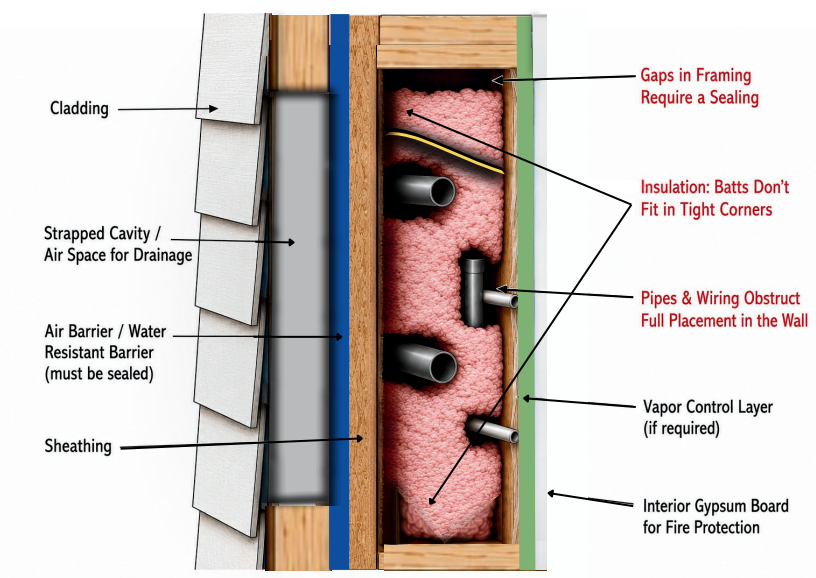
Two Requirements. One Solution: Spray Foam Insulation.

The Insulation Institute states that air sealing and thermal performance must be evaluated separately. Spray foam meets both requirements in a single installed system.

OLD FASHIONED APPROACH VS SPRAY FOAM APPROACH

OLD FASHIONED APPROACH

Multiple Products. Multiple Failure Points.

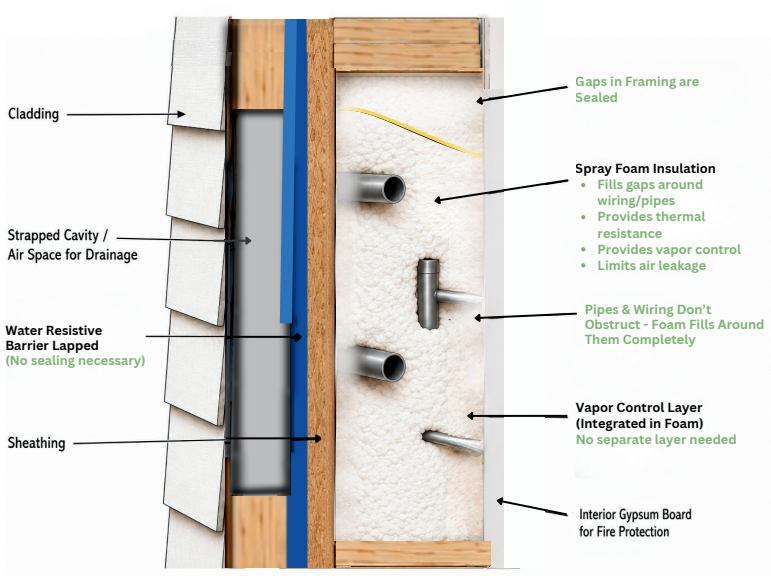


- ***Multiple*** **Products**
- ***Multiple*** **Contractors or Installation Steps**
- ***Multiple*** **Inspection Points**
- ***Multiple*** **Opportunities for Installation Failure**

Gaps, compression, and misaligned seams in batt insulation are common at real-world installation quality, and none of them show up in a lab R-value test.

SPRAY FOAM APPROACH

One Material. One Installation. One Inspection.



- ***ONE*** **Product**
- ***ONE*** **Contractor or Installation Step**
- ***ONE*** **Inspection Points**
- ***FEWER*** **Opportunities for Installation Failure**

Spray foam is ICC and IECC recognized as an *insulation material*, *air barrier*, and *vapor diffusion retarder* - tested and documented separately, installed simultaneously.

FEATURE	FIBERGLASS	MINERAL WOOL	SPRAY FOAM
Thermal Resistance (R-value)	✓ Yes	✓ Yes	✓ Yes
Air Barrier Function	✗ Requires separate system	✗ Requires separate system	✓ Built-in
Vapor Control	✗ Requires separate system	✗ Requires separate system	✓ Built-in
Installed Performance	⚠ Degrades with gaps/compression	⚠ Degrades with gaps/compression	✓ Adheres to substrate, no gaps
Single-Step Code Compliance Path	✗ Needs multiple products and trades	✗ Needs multiple products and trades	✓ Yes

RISK OF AIR LEAKAGE

Fiberglass → High at seams/gaps

Mineral Wool → High at seams/gaps

Spray Foam → Minimal when properly installed

INSTALLATION PROCESS

Fiberglass → Multi-step install

Mineral Wool → Multi-step install

Spray Foam → Single application

Source: NAIMA / Insulation Institute guidance regarding insulation performance and air barrier requirements. Referenced in accordance with published source documentation.