

Why Your Main Floor Feels Like Ice

The Science of Drafts

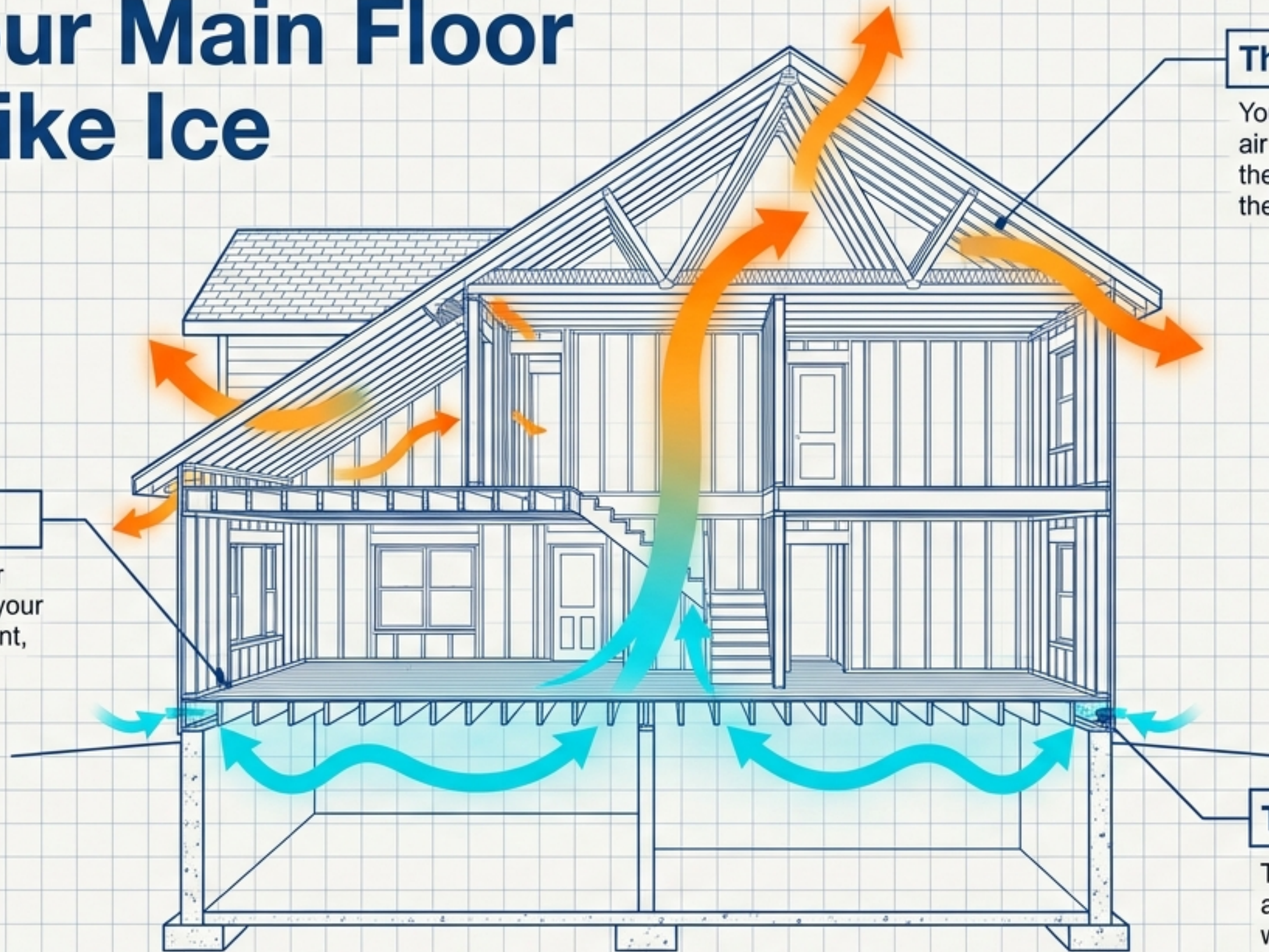
Your house breathes. As warm air rises and escapes through the attic, it creates a vacuum at the bottom of the home.

The Result

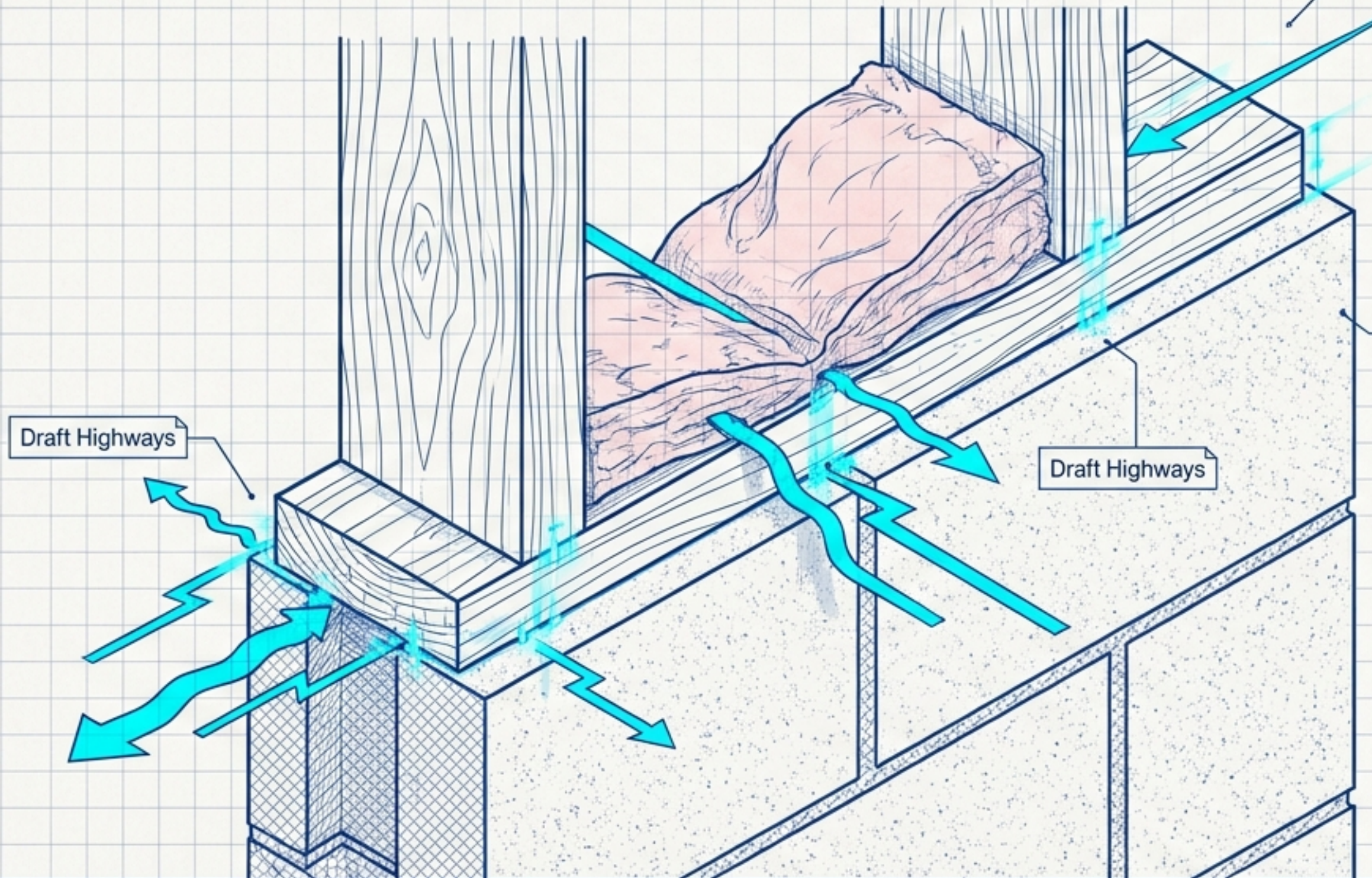
Cold air pools against your basement ceiling, turning your main-level floors into a giant, radiating ice pack.

The Vacuum Effect

This negative pressure aggressively sucks freezing winter air directly into your basement and crawlspaces.



Your Home's Biggest Thermal Loophole



1

The Structural Junction

The space where your wooden house sits on the concrete foundation is naturally imperfect. Wood warps and concrete settles.

2

Draft & Pest Highways

Even millimeter-wide gaps create a perimeter superhighway for freezing drafts, spiders, and rodents to bypass your exterior walls.

3



The Fiberglass Fallacy

Pink fiberglass insulation stuffed here acts like a furnace filter—it catches dust, but cold air blows right through it.

The Invisible Threat Below Grade

Hydrostatic Pressure

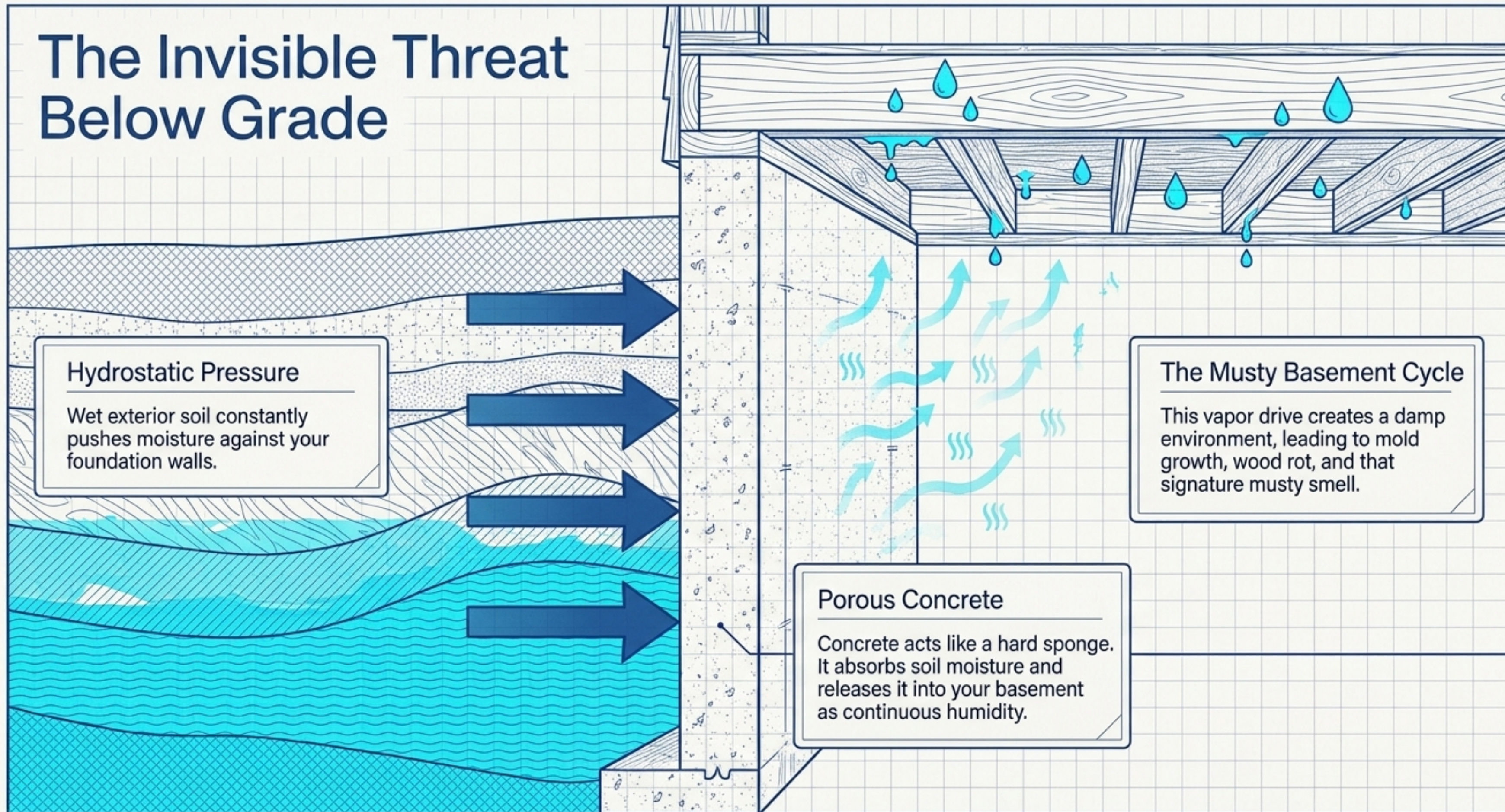
Wet exterior soil constantly pushes moisture against your foundation walls.

Porous Concrete

Concrete acts like a hard sponge. It absorbs soil moisture and releases it into your basement as continuous humidity.

The Musty Basement Cycle

This vapor drive creates a damp environment, leading to mold growth, wood rot, and that signature musty smell.



Why Closed-Cell Foam is Non-Negotiable

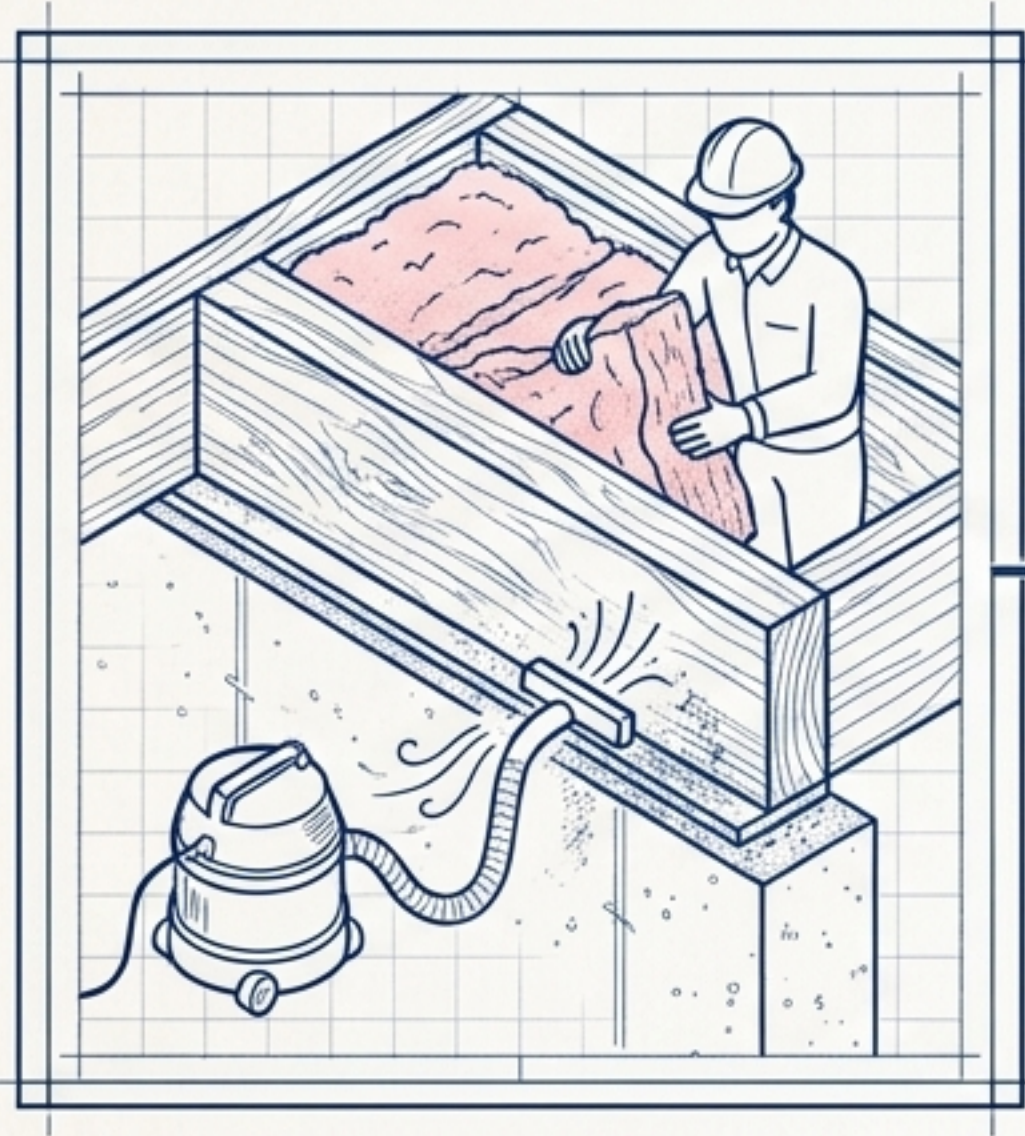
	Fiberglass Batt	Open-Cell Foam	Closed-Cell Foam
Stops Air Drafts?	✗	✓	✓
Blocks Moisture/Vapor?	✗	✗	✓
Adds Structural Integrity?	✗	✗	✓
R-Value per inch	(R-3 per inch)	(R-3.8 per inch)	(R-7 per inch)

Fails to stop air. Absorbs moisture like a sponge.

Stops air, but allows moisture vapor to pass through. Best for interior soundproofing, not basements.

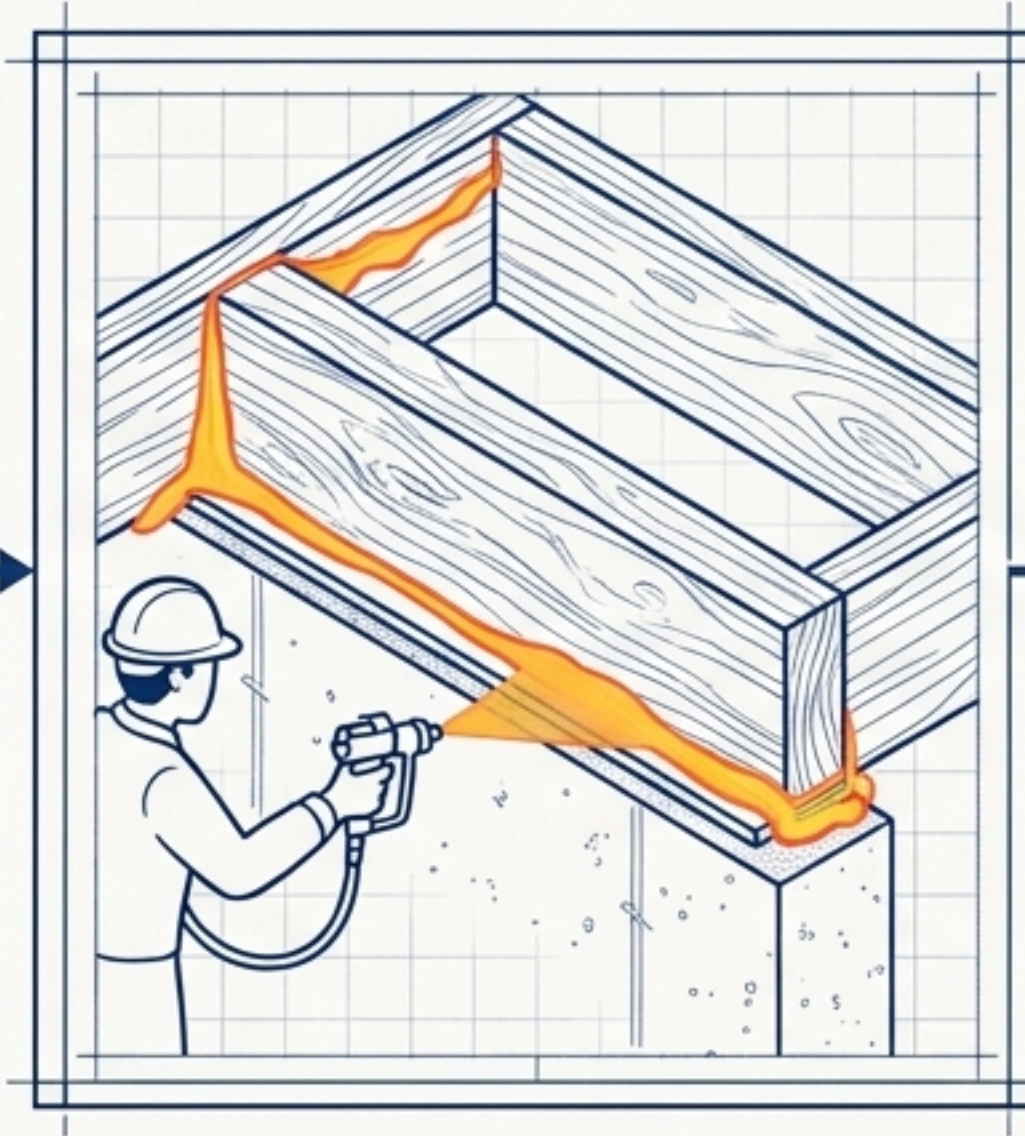
The ultimate barrier. 100% waterproof, blocks all air infiltration, prevents condensation, and structurally reinforces the wood.

Professional Perimeter Sealing



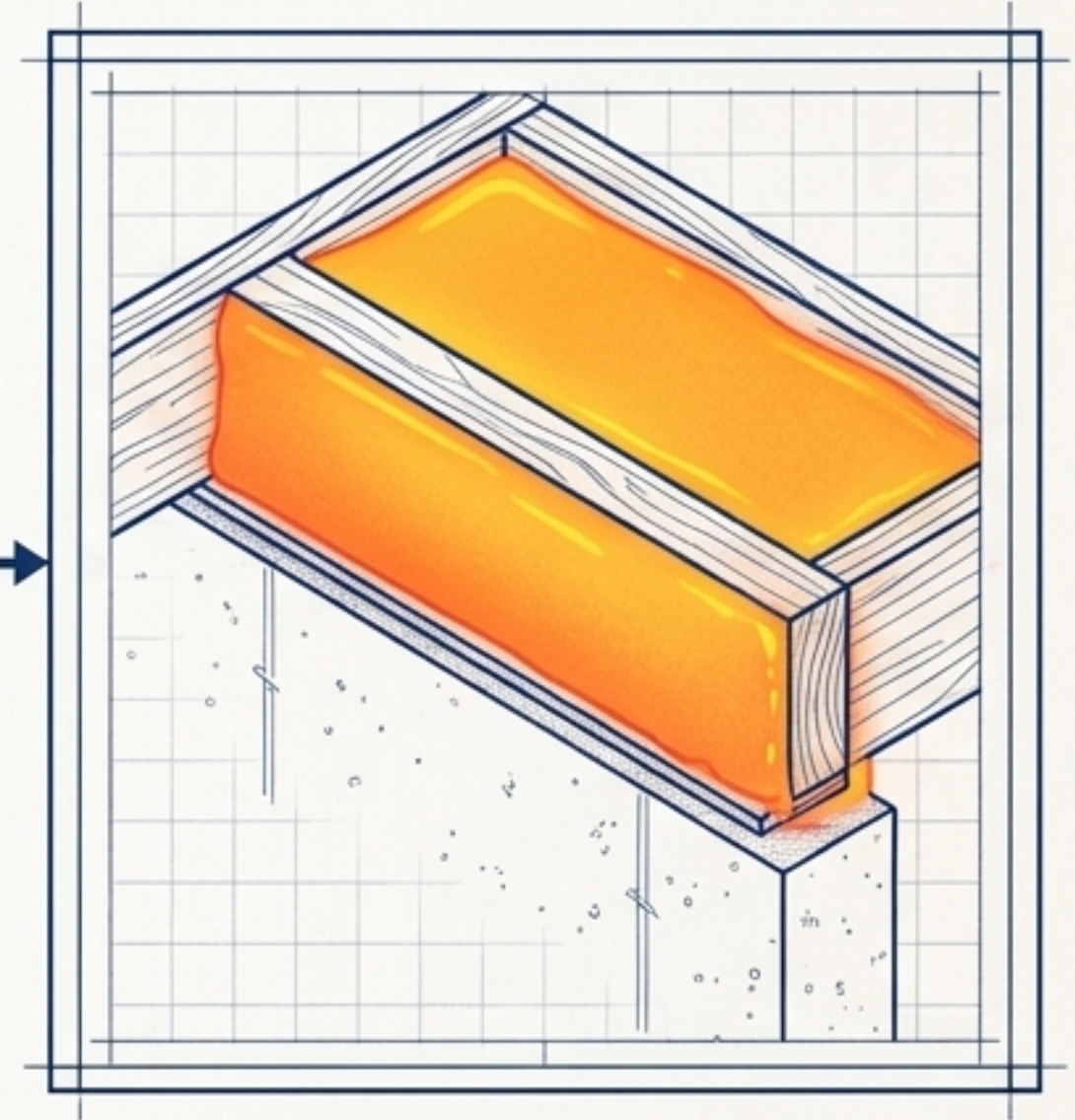
Step 1: Excavate & Prep

We remove compromised fiberglass and clear the perimeter to expose the raw wood-to-concrete junction.



Step 2: Precision Application

Technicians apply a continuous layer of high-density closed-cell foam along the entire band joist.



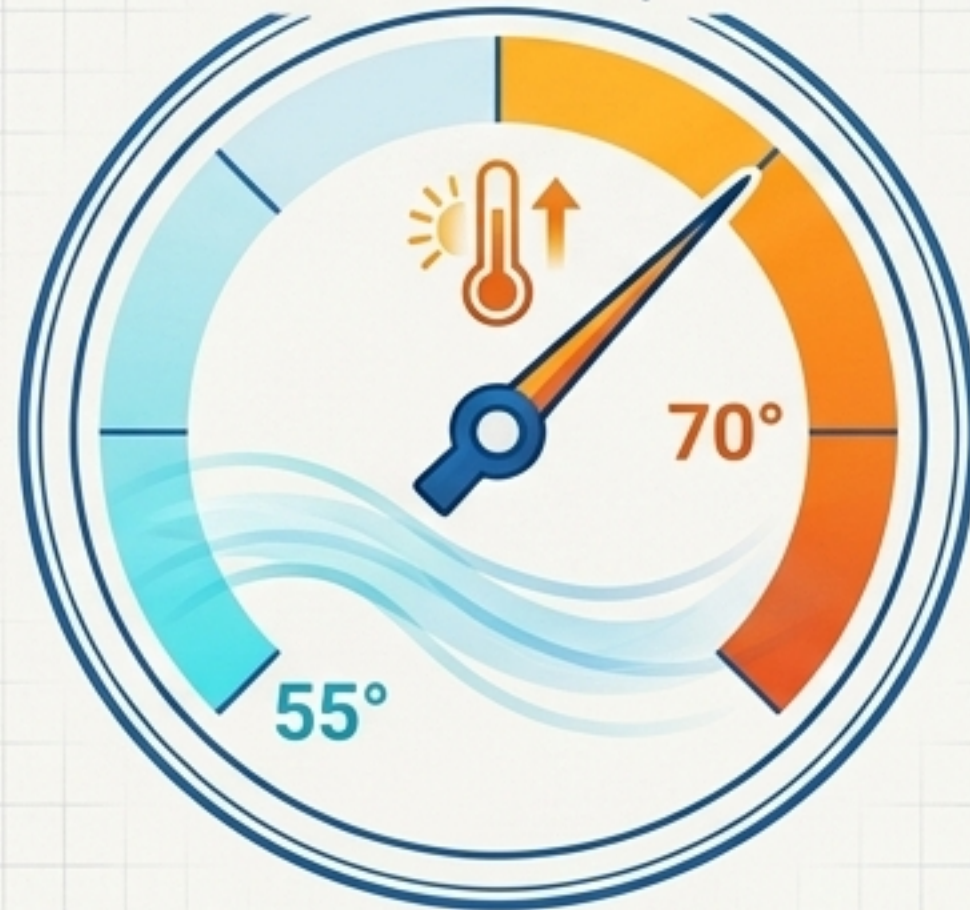
Step 3: Expansion & Cure

The foam expands into every microscopic crack, curing into a rigid, impenetrable thermal block that lasts the lifetime of the home.

The ROI of a Sealed Foundation

Transformation Dashboard

Floor Temp



Radiant Warmth

By stopping the basement freeze, your main-level floors naturally retain the home's ambient heat.

HVAC Runtime



HVAC Efficiency

Your furnace no longer fights a constant influx of sub-zero air, significantly reducing runtime and lowering utility bills.

Relative Humidity



Pristine Air Quality

Halting vapor drive drastically reduces indoor humidity, eliminating musty odors and starving mold of the moisture it needs to grow.

Expert Execution With Zero Guesswork



✓ Skip the Search

Finding a reliable spray foam professional shouldn't be a gamble. We have already done the rigorous research for you.

✓ Strictly Vetted

We independently verify state licensing, active insurance coverage, and proven customer references for every contractor in our network.

✓ Zero Obligation

Describe your project once, and we will match you with up to 3 pre-vetted local pros within one business day. Compare quotes entirely on your timeline.



Call (612) 351-4951 or visit
minneapolisprayfoam.net for your free matches.

