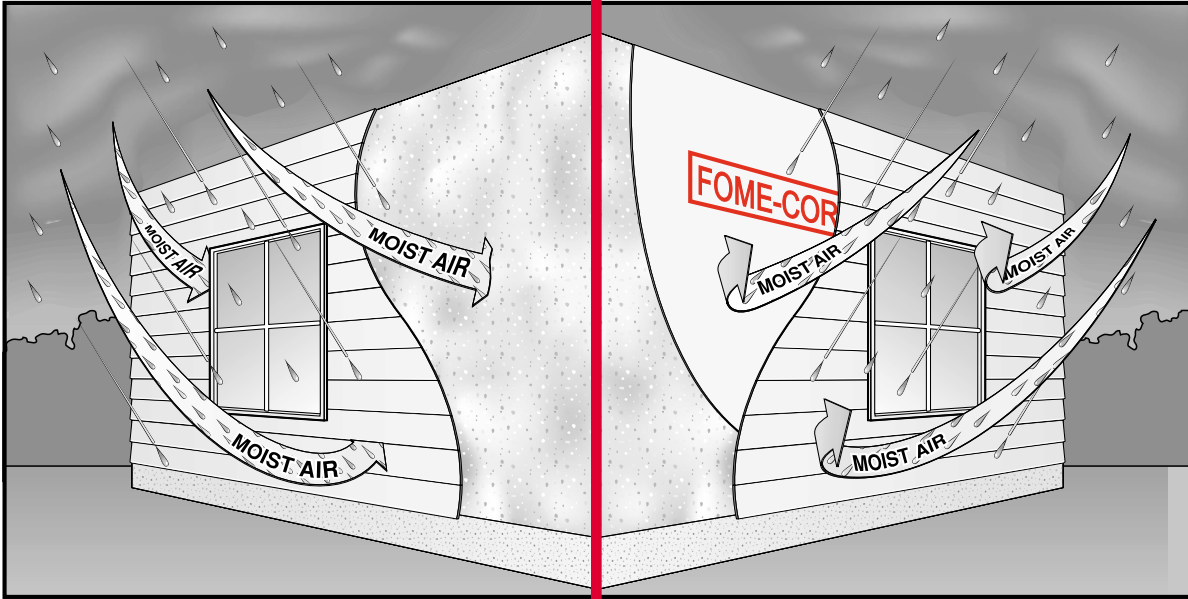


PROBLEM:

Air & Water Leakage - Costly Heat Loss.

Air leakage is most noticeable at electrical outlets and around windows and door frames. Air can infiltrate directly through siding seams and into a wall cavity — resulting in up to a 30% heat loss and reduced R-values. Liquid moisture can seep through the seams of exterior materials, and these leaks can cause unsightly stains in unprotected walls. Moisture-laden air driven by air leakage also can result in condensation problems.



Air and water leakage is essentially the uncontrolled movement of air and water, either in or out, through a home's exterior. It can have a huge effect on a home's energy consumption. Without a protective cover over fibrous insulation, air and water leakage can drastically reduce a home's R-value by more than 50%. To achieve its R-value, fibrous insulation must have "still air" around its fibers. If air and water rush through the fibers, R-values are reduced. The result? Lower insulative protection and less comfort.

Three factors determine the rate of air and water leakage: wind speed, temperature difference inside the home versus outside the home, and pressure caused by heating/air-conditioning units or vent fans (kitchen or bathroom).

- If wind speed is high or there's a temperature difference (i.e., 70° inside, 100° or 0° outside), then air and water leakage is occurring in that home.
- If heating/air-conditioning units or kitchen/bathroom fans are on, they can create a negative pressure in the home that can draw unwanted air through seams and electrical outlets into the home.

An effective housewrap installed beneath the siding provides a lot of benefits. Check out the Solution to the right.

SOLUTION:

Fome-Cor® Weather-Barrier Board.

¼" Fome-Cor® wraps homes with an accordion-folded continuous foam-filled protective layer that repels air and water leakage as it guards against heat loss (or gain) and reduced insulation values. Homes stay comfortable and energy-efficient year-round.

Because it forms a continuous layer of repelling protection, Fome-Cor® Weather-Barrier, the foam-filled housewrap, works to cut air and water leakage and keep homes at comfortable temperatures all year long. Fome-Cor helps make the most of a home's insulation value, and that helps cut heating and cooling costs.

Fome-Cor not only reduces drafts and saves energy, it also lets homes "breathe" easier. In fact, Fome-Cor is the only sheathing board that can be installed continuously to help reduce exterior air and water leakage and still allow harmful interior water vapor to escape. Condensation problems are minimized.

With Fome-Cor, homes stay protected against air and water leakage — and stay comfortable and energy-efficient.

Air and water leakage, in fact, can account for as much as 30% of total heat loss in a home. An independent laboratory conducted extensive tests on walls with and without Fome-Cor Board. Test results showed that various sidings (including hardboard, vinyl and aluminum) leak at about the same rates. *See chart on back.*

Leakage Rates of Various Sidings

**Air Infiltration @ 15 mph Wind Velocity
ASTM E-283 (CFM per ft.²)**

Exterior Siding	Without Fome-Cor Board	With Fome-Cor Board	Percent Air Infiltration Reduced by Fome-Cor Board
Aluminum	.227	.091	60%
Hardboard	.211	.083	61%
Vinyl	.188	.070	63%

This means that no matter what kind of siding you choose for your home — or how well it's installed — you should wrap your home with a weather-barrier board.

Fome-Cor resists exterior water; while, at the same time, it lets harmful interior humidity pass through to help minimize condensation. This "breathability" factor is expressed in "perms," and Fome-Cor's greater than 5 perm rating makes it ideal for home construction.

Installed beneath any kind of siding, Fome-Cor helps reduce air and water leakage for proper insulative protection — plus provides comfort and lower energy costs.

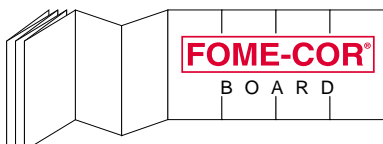
SPECIAL NOTES: Wood-based structural sheathings in 4' x 8' sheets must have a 1/8" gap to allow for expansion and contraction. So make sure you get the continuous weather-barrier housewrap — Fome-Cor Board.

You can't buy a better weather barrier than Fome-Cor.

When you look at everything that Fome-Cor has to offer, you'll see why it's a superior material to use.

- Fome-Cor is water-resistive. Water can't get in to stain and damage walls. But water vapor, in the form of interior humidity, can escape through permeable Fome-Cor, minimizing condensation and other problems.
- Fome-Cor reduces air leakage. Air leakage can account for as much as 30% of total heat loss in a home, so using Fome-Cor helps control energy costs. Fome-Cor can help keep a home cool in the summer and warm in the winter.
- Fome-Cor is an excellent rigid-backing material.
- Fome-Cor's sound-dampening effect keeps external noise out — and quiet in.

With all Fome-Cor has to offer, why not check out this simple solution to air and water leakage problems? You'll see that you simply can't buy a better water-resistive backing and energy-saving material than Fome-Cor Weather-Barrier Board.



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