

Reduce air infiltration; Cut construction costs; Meet your current or future energy efficiency targets

Don't Work Harder. Build Smarter.

How Enviro-Dri Helps You Build Smarter

By installing the Enviro-Dri Weather-Resistant Barrier System on your next home and reducing the air change per hour (ACH) by 2, you can reduce the home's annual energy use by almost 10% while meeting or improving your construction cost targets!

To achieve that same energy-use reduction through added insulation, you would have to move from an R13 2x4 frame wall to an R19 2x6 frame wall, and from R30 ceiling insulation to R50 ceiling insulation.

No need to incur the extra cost of less effective insulation, or to redraw your house plans and shoulder the added expense of changing to 2x6 framing to accommodate the extra wall insulation.



The chart below provides some additional examples* of the trade-offs possible by reducing ACH in the homes you build.

ACH Reduction	% Savings in Millions BTU/Year	Equivalent Construction Option(s) to Achieve Same Reduction	
		From	To
.5	2.4	R30 ceiling insulation	R50 ceiling insulation
1.0	4.9	R30 ceiling insulation & R13 2x4 frame wall insulation	R50 ceiling insulation & R15 2x4 frame wall insulation
1.5	7.3	R30 ceiling insulation & U.36 windows	R100 ceiling insulation & U.30 windows
2.0	9.8	R30 ceiling insulation & R13 2x4 frame wall insulation	R50 ceiling insulation & R19 2x6 frame wall insulation
3.0	14.6	R30 ceiling insulation & R13 2x4 frame wall insulation	R100 ceiling insulation & R15 + 5 2x4 frame wall insulation

*Examples of construction trade-offs and energy savings based on values derived from REM[®] Design Software by Architectural Energy, Inc. for a 2-story, 2700 sq ft home with 1350 sq ft conditioned basement (total 4050 conditioned sq ft) in Climate Zone 5. Results for other types of homes in other climate zones will vary. Contact your Tremco Barrier Solutions Territory Manager for a detailed comparison for your region.

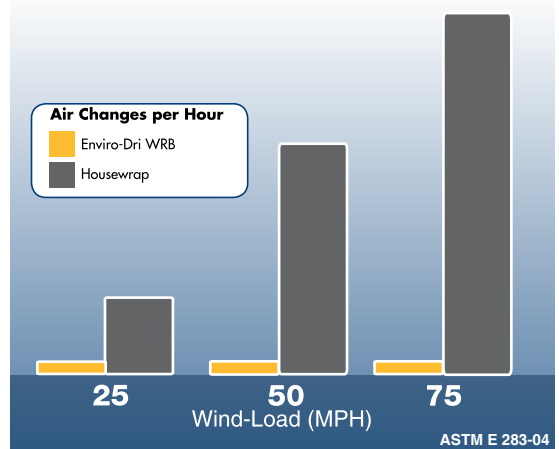
The Enviro-Dri Weather-Resistant Barrier System effectively reduces air changes per hour (ACH), allowing you to value-engineer other design variables within the home.

The Department of Energy estimates that 40% of a buildings' energy loss is due to air infiltration. That uncontrolled air exchange can lead directly to increased construction costs and a failure to meet your energy goals. Whether you're building simply to meet local code requirements, or to the exacting standards of ENERGYSTAR®, by reducing the number of air changes per hour, you can meet your goals and reduce your construction costs, as well.

The Enviro-Dri Weather-Resistant Barrier System is up to 97% more effective in stopping the flow of air through the home's sheathing system, as compared to typically-installed housewraps.



This ASTM test-validated performance improves the effectiveness of other energy-related components of the home, like insulation. In addition, by minimizing the exchange of conditioned and unconditioned air from the home, Enviro-Dri WRB reduces or eliminates the need for increased ceiling and wall insulation, oversized HVAC systems, high-performance windows and expensive air infiltration packages.



Choose your path to meeting your energy goals:

- Spend more construction dollars by adding more, but less effective, insulation to your walls and ceilings;
- Go through the expense and time to re-draw your plans for 2x6 walls to accommodate the additional insulation;
- Over-size your HVAC system that is more expensive, wastes energy and can provide an uncomfortable living space.

OR

Choose the Enviro-Dri Weather-Resistant Barrier System to reduce your home's ACH, maintain or reduce your construction costs, and meet your current or future energy goals.

Consult your Tremco Barrier Solutions Territory Manager or local construction energy rater to discuss the exact trade-offs you can make in your construction practices to meet the energy efficiency levels you want.

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