

Advantages of Fluid Applied vs Housewrap Resistant Barriers

Effectively Blocks Air Leakage	Increases Homeowner Comfort Reduces Energy Costs, estimated between 8-23% Of Annual HVAC energy expenses Reduces risk of condensation caused by air leaks through the wall assemblies
Seamless Moisture Barrier	No tears, holes, or lap joints that compromise performance Less prone to installation errors especially 'reverse shingling'
Protects Sheathing and Openings	Minimizes risk of weather damage to sheathing and associated repairs
Durable	Does not tear or lose its effectiveness with weather exposure
Structural/Fully Adhered	Rigid and stable under air pressure loads, does not tear or blow off
Water Based	Safe to use, VOC compliant
Resists wind pressure	Minimizes risk of rain water penetration through wall assemblies
Both air and moisture barrier	Dual benefit, functions on the 'outside' skin of the home.
Surfactant resistant	Won't break down and leak behind brick, stone, stucco, cypress, cedar.
Less insect gateway	Sealing the sill plate as well as the joints in the OSB greatly reduces the entryways for insects
Preservation of strapping	Less moisture and moisture laden air penetration reaching the metal
No waste	Housewraps require stretching over openings and cut outs generate waste

Constructions Cost Savings Estimate When Using Enviro Dri Weather Resistant Barrier System

Highest HVAC Energy Efficiency - Lowest Construction Cost Estimate

Example 5000 sf of sheathing

	Foam Sill	Redundant		Wall Assembly	HVAC	Total
Enviro Dri				Insulation		
WRB	Sealer	Layer	AIP	(batts)	Tonnage (5)	
\$3,000				\$2,000	\$6,000	\$11,000
Housewrap				Cellulose/Spider	Cellulose (9)	
\$1,300	\$100	\$300	\$300	\$4,000	\$10,800	\$16,800
				Foam	Foam (5)	
\$1,300	\$100	\$300	\$300	\$15,000	\$6,000	\$23,000

WRB = Weather Resistant Barrier

Redundant Layer required behind brick, stone, stucco, cedar, or cypress

AIP = Air Infiltration Package

With Enviro, ACH50 expectation is 2.25-3.0 so 5 tons HVAC is still overkill.

Foam Sill Sealer - the roll of foam that is run on top of the foundation, usually overhangs

With Enviro Dri, you also gain protection against liquid and moisture laden air intrusion.