



# STYROFOAM™ WEATHERMATE™ Housewrap

## PRODUCT INFORMATION

STYROFOAM™ WEATHERMATE™ housewrap is a tough woven, micro-perforated polyolefin-based wrap. It is designed specifically for builders who prefer to use a non-insulating sheathing, offering the superior performance and integrity they need in housewrap applications.

### Reduced air infiltration and moisture damage

When installing housewrap, you want to achieve a continuous membrane that reduces air and water penetration into the structure. STYROFOAM™ WEATHERMATE™ housewrap, when installed over sheathing in residential wall construction, reduces costly air and

moisture infiltration. It covers cracks and gaps between sheets of wood panel sheathing and features microsize pores that allow vapor to escape from behind the housewrap.

### Easy Installation

STYROFOAM™ WEATHERMATE™ housewrap is translucent, giving builders a convenient, clear view of studs and the sheathing surface during installation. The woven polyolefin strand base with microporous coatings on both sides of the fabric help it resist tears, punctures and exposure to sunlight. Its unique surface clings to the house for easy installation. STYROFOAM WEATHERMATE housewrap should not be exposed to sunlight for more than 60 days.

## Sizes

STYROFOAM™ WEATHERMATE™ housewrap is available in a variety of roll sizes:

- 4' 6" x 150'
- 9' x 100'
- 9' x 150'
- 9' x 195'
- 10' x 150'

STYROFOAM WEATHERMATE housewrap meets IBC and IRC building code requirements for weather-resistive barriers (AC-38). See ICC-ES report NER-593.

## Physical Properties and Test Results<sup>(1)</sup>

	Units <sup>2)</sup>	Value	Requirement	Test Method	
Tear Strength	Machine Direction	lbs.	>25	-	ASTM D1117
	Cross Direction	lbs.	>20	-	ASTM D1117
Puncture	in-lb	>90	-	Beach	
Water Vapor Permeance	perm	>5	>5	ASTM E96A	
Water Vapor Transmission	g/m <sup>2</sup> /24 hrs.	>35	>35	ASTM E96A	
Air Leakage Resistance	cfm/ft <sup>2</sup>	0.01 w/sheathing	<0.06	ASTM E283	
Air Porosity	seconds/100cc	14.4	-	TAPPI T460	
Surface Burning Characteristics	Flame spread index	<25 <sup>(2)</sup>	-	ASTM E84	
	Smoke developed index	<450	-	ASTM E84	
Water Ponding	Initial	N/A	Passed	CCMC Tech Guide 07102 section 6.4.5 CCMC Tech Guide 07102 section 6.4.5	
	After Heat and UV	N/A	Passed		
Tensile Strength	Machine Direction	lbs./in.	>35	>20	ASTM D882
	Cross Direction	lbs./in.	>30	>20	ASTM D882

(1) All tests conducted by independent laboratories

(2) Class A performance



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**Dow Polyurethane Foam Insulation and Sealants**

**CAUTION:** When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F (116°C). For more information, consult (Material) Safety Data Sheet ((M)SDS) call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada. When air sealing buildings, ensure that combustion appliances, such as furnaces, water heaters, wood burning stoves, gas stoves and gas dryers are properly vented to the outside. See website: <http://www.epa.gov/iaq/homes/hip-ventilation.html>. In Canada visit: <http://archive.nrc-cnrc.gc.ca/eng/ibp/irc/bsi/83-house-ventilation.html>.

STYROFOAM™ Brand Spray Polyurethane Foam contains isocyanate, hydrofluorocarbon blowing agent and polyol. Read all the instructions and (M)SDS carefully before use. Wear protective clothing (including long sleeves), gloves, goggles and proper respiratory protection. Supplied air or an approved air-purifying respirator equipped with an organic vapor sorbent and a P100 particulate filter is required to maintain exposure levels below ACGIH, OSHA, WEEL or other applicable limits. Provide adequate ventilation. Contents under pressure. STYROFOAM™ Brand SPF should be installed by a trained SPF applicator.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.