



WEATHERMATE™ PLUS HOUSEWRAP

PRODUCT NAME

WEATHERMATE™ Plus Housewrap

MANUFACTURER

The Dow Chemical Company
 Dow Building Solutions
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www.insulateyourhome.com

PRODUCT DESCRIPTION

WEATHERMATE™ Plus Housewrap is a non-woven, non-perforated polyolefin-based wrap. Designed for enhanced job-site durability and long-term product performance, WEATHERMATE™ Plus Housewrap is for builders who want excellent protection against the elements.

REDUCED AIR INFILTRATION AND MOISTURE DAMAGE

WEATHERMATE™ Plus Housewrap forms a continuous protective membrane that helps protect walls from damaging bulk water and air infiltration, safeguarding against costly energy loss. It reduces drafts, increasing home comfort. The excellent water resistance reduces the potential for water infiltration that may lead to mold and water damage of underlying water-sensitive wood sheathing. The engineered water vapor permeability enables water vapor behind the housewrap to escape to the exterior, thereby helping the wall dry from the inside out.

INSTALLATION

WEATHERMATE™ Plus Housewrap is translucent, giving builders a convenient clear view of studs and the sheathing surface. Compared to other leading non-woven, non-perforated wraps, WEATHERMATE™ Plus Housewrap

offers excellent tear resistance and outstanding durability. It should not be exposed to sunlight for more than 120 days.

SIZES

WEATHERMATE™ Plus Housewrap is available in a variety of roll sizes:
 3' x 100'
 3' x 165'
 5' x 100'
 9' x 100'
 9' x 150'
 9' x 195'
 10' x 100'
 10' x 150'

STANDARDS

WEATHERMATE™ Plus Housewrap meets IBC and IRC building code requirements for secondary weather-resistant barriers (AC-38). See ICC-ES report NER-640.

Contact your Dow sales representative or local authorities for state and local building code requirements and related acceptances.

TYPICAL PHYSICAL PROPERTIES AND TEST RESULTS FOR WEATHERMATE™ PLUS HOUSEWRAP

	Units	Value	Requirement	Test Method ⁽¹⁾
Air Porosity	sec/100 cc	300 min.	—	TAPPI T 460 (Gurley Method)
Air Leakage	cfm/ft ² @ 75 Pa	0.02 max.	<0.06	ASTM E283
Water Vapor Transmission Rate	g/m ² /24 hrs.	46.6	>35	ASTM E96 Method A
Water Vapor Permeance	perms	6.7	>5	
Water Resistance (at 55 cm water pressure)	hrs.	>5	5 hrs. with no leakage	AATCC 127 Hydrostatic Pressure Test
Water Resistance	cm	210 min. with no leakage	—	AATCC 127 Hydrostatic Pressure Test
Tear Strength - Machine Direction - Cross Direction	lbs. lbs.	13 min. 13 min.	— —	ASTM D1117 (non-woven material)
Tensile Strength - Machine Direction - Cross Direction	lbs./in. lbs./in.	20 min. 20 min.	>20 >20	
Flame Spread	—	0 ⁽¹⁾	25	ASTM E84
Smoke Developed	—	25 ⁽¹⁾	450	ASTM E84

(1) Class A performance

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NOTICE: Changes to the International Residential Code require the installation of a water-resistive barrier (WRB) within most exterior wall assemblies in residential construction. The following Dow insulated sheathing products qualify as a WRB when installed according to the installation instructions developed for "installation of foam sheathing as a weather-resistive barrier": STYROFOAM™ DURAMATE™ Plus, STYROFOAM™ Residential Sheathing, STYROFOAM™ Tongue and Groove, STYROFOAM SIS™, STYROFOAM™ Square Edge, STYROFOAM™ Residing Board, DOW™ High Performance Underlayment, THERMAX™ Sheathing, TUFF-R™ and Super TUFF-R™ and therefore do not require the use of a building paper or a housewrap as a WRB. When a WRB is not needed, these Dow foam sheathings may be installed according to standard installation instructions for foam sheathing from Dow. Be sure products and installation instructions meet code requirements for your particular location. Note: WEATHERMATE™ and WEATHERMATE™ Plus Housewraps have already qualified as water-resistive alternatives to the prescribed felt (see Evaluation Reports NER-593 and NER-640 for approved alternative).

For more information, consult MSDS, 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.

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.

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FOR TECHNICAL INFORMATION: 1-866-583-BLUE (2583)

FOR SALES INFORMATION: 1-800-232-2436

THE DOW CHEMICAL COMPANY

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Printed in U.S.A.

Form No. 179-07168X-0810MCK

McKAY205414-1

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