

# GreenGuard® RainDrop® Housewrap DATA SHEET



**Description:** A cross-woven polyolefin housewrap designed with an enhanced contour to facilitate the drainage of water that penetrates the primary weather barrier of a wall system. RainDrop® meets the National, Standard, Uniform and International Building Code requirements for air barriers, moisture protection barriers and weather-resistive barriers.

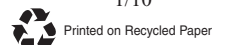
**Product Sizes:**

Product Number	Roll Dimensions	Rolls/Pallet	Square Feet/ Roll	Square Feet/ Pallet	Pallet Size
RD0530	3' x 150'	84	450	37,800	108" x 42" x 24"
RD0990	9' x 100'	60	900	54,000	42" x 109"
RD1490	9' x 150'	40	1350	54,000	42" x 109"
RD1510	10' x 150'	40	1500	60,000	42" x 109"

## Typical Physical Properties

<u>Property</u>	<u>Test Method</u>	<u>RainDrop®</u>
<b>Thickness<sup>1</sup></b> (inches) (mils)	ASTM D 1777	.015 15
<b>Weight</b> (lbs./1000 ft <sup>2</sup> )	ASTM D 3776	19.0
<b>Tensile Strength</b> (lbs/in., MD/TD) <sup>2</sup>	ASTM D 882	56/30
<b>Trapezoid Tearing Strength</b> (lbs., MD/TD)	ASTM D 1117	25/41
<b>Burst Strength</b> (psi)	ASTM D 751	155
<b>Water Resistance</b> (minutes)	ASTM D779	> 60
<b>Drainage Efficiency<sup>4</sup></b> (% Water Drained)	ASTM E 2273	90.7%
<b>Water Vapor Permeance</b> (perms)	ASTM E 96 Procedure A (75°F, 50% R.H.)	10
<b>Water Vapor Transmission Rate</b> (g/m <sup>2</sup> /24 hrs.)	ASTM E 96 Procedure A/B (75°F, 50% R.H.)	73
<b>Air Leakage Rate/Air Resistance</b> (cfm/ft <sup>2</sup> @75 Pa/25 mph)	ASTM E 283	0.03
<b>Structural Integrity</b> (minimum 1 hr. @ 500 Pa/65 mph)	ASTM E 330 Procedure A	Pass
<b>Water Resistance</b> (15 min. @ 27 Pa/15 mph)	ASTM E 331	Pass

DS-HWRD  
1/10





<u>Property</u>	<u>Test Method</u>	<u>RainDrop®</u>
<b>Fire Characteristics<sup>3</sup></b>	ASTM E 84	
Flame Spread		0
Smoke Developed		15
<b>Compliance:</b>	ASTM E 1677, Type 1 (Specification for Air Retarder Materials or Systems) See ICC-ES Evaluation Report ESR-2906. HUD/FHA UU-B-790A. Equivalent to Grade D, Type 15. ASTM D 226. Type I (Specification for Felt Building/Roofing Paper).	

**For information regarding the GreenGuard® Housewrap Limited Warranty, go to [www.green-guard.com](http://www.green-guard.com).**

<sup>1</sup> Low Point (.010 inches/10 mils), high point (.020 inches, 20 mils)

<sup>2</sup> Machine Direction/Cross Direction.

<sup>3</sup> These numerical flame spread and smoke ratings are not intended to reflect hazards presented by this material under actual fire conditions.

<sup>4</sup> Drainage testing was conducted in accordance with ASTM E 2273-03 using a cementitious base coat as required for EIFS and adhered veneers. The GreenGuard® RainDrop® was installed directly over the sheathing and the exterior side of the RainDrop® was covered with a layer of Grade D water-resistive barrier/building paper as required in the International Residential Code for stucco wall assemblies.

**WARNING:** Plastic housewrap materials will ignite if exposed to fire of sufficient heat and intensity. Protect plastic housewraps from exposure to open flame or other ignition sources during shipment, storage, and installation.

**For the most current product and compliance information, go to [www.green-guard.com](http://www.green-guard.com)**

**ENERGY STAR HOME SEALING**

EPA recommends sealing the "envelope" that surrounds your living space:

- the ceiling
- outer walls
- windows
- floors

ENERGY STAR is a program of the U.S. Environmental Protection Agency and the U.S. Department of Energy.

To save on your heating and cooling bill and increase the comfort of your home:

- Add insulation
- Seal air leaks
- Choose ENERGY STAR qualified windows when replacing windows

[www.energystar.gov](http://www.energystar.gov)

When correctly installed, Pactiv's GreenGuard® RainDrop® Housewrap can reduce air leaks as is recommended by EPA's ENERGY STAR Home Sealing effort.