



# WEATHER RESISTIVE BARRIERS

**Grip-Rite® weather resistive barriers put a powerful layer between exterior walls and the elements.**

Available in three styles, residential, commercial grade, and economy grade, Grip-Rite weather resistive barriers meet or exceed ICC AC 38 Acceptance Criteria for weather resistive barriers.

## **Names:**

Grip-Rite® House-Wrap  
Grip-Rite® Commercial Grade Weather Barrier  
Grip-Rite® House-Wrap-E

## **Manufacturer:**

PrimeSource Building Products, Inc.  
1321 Greenway Drive, Irving, TX 75038  
800-676-7777  
[www.primesourcecbp.com](http://www.primesourcecbp.com)  
[www.grip-rite.com](http://www.grip-rite.com)

## **Product Description:**

### **Composition:**

Grip-Rite weather resistive barriers are made of a durable high density polyethylene woven substrate that possesses very high tensile strength that resists tearing that results from high wind exposure. Superior UV treatment allows exposure for over six months without deterioration. Grip-Rite House-Wrap and Commercial Grade weather resistive barriers are coated on both sides with LDPE. Grip-Rite House-Wrap-E is coated on one side.

### **Application:**

- ☑ Grip-Rite weather resistive barriers can be used in any code compliant application that calls for AC 38 compliance to Grade D building paper.
- ☑ Grip-Rite House-Wrap and Commercial Grade function as an air barrier and meet the requirements of the Air Barrier Association of America.
- ☑ Grip-Rite weather resistive barriers function as a moisture protection barrier, an air infiltration barrier, and a weather resistive barrier.
- ☑ Grip-Rite weather resistive barriers are applied over exterior walls that have been framed and sheathed beneath the final exterior wall surface.
- ☑ Grip-Rite weather resistive barriers can be used over exterior wood based sheathing in plaster applications when applied in two layers.

### **Benefits:**

- ☑ Suitable for a wide range of climates
- ☑ Minimizes air infiltration, allowing exterior walls to have a higher insulation performance
- ☑ Permits moisture to escape the stud wall, preventing damage to the interior wall cavity
- ☑ Prevents bulk water intrusion, protecting the sheathing and stud wall components





# WEATHER RESISTIVE BARRIERS

## Standards and Approvals:

- ✓ **ICC-ES ESR 2248** - Grip-Rite® House-Wrap
- ✓ **ICC-ES ESR 2252** - Grip-Rite® Commercial Grade
- ✓ **ICC-ES ESR 2496** - Grip-Rite® House-Wrap-E
- ✓ **AC-38** Grade D
- ✓ **ASTM - E2178**
- ✓ **ASTM E2357** (2357 is House-Wrap and Commercial Grade only)

## Installation Instructions:

First and foremost, comply with all local building codes and permitted plans. Stage the project with scaffolding, pump jacks or other safe staging means that comply with state and local safety regulations.

Grip-Rite® weather resistive barriers shall be installed over sheathed exterior walls only. Carefully inspect the substrate to insure it is suitable for covering. The sheathing should be dry and properly secured to the framing. If the walls are insulated from the exterior, insure the insulation is adequately secured to the walls in compliance with the manufacturer's installation instructions.

Exterior wall penetrations, including windows, vents, hose bibs, electrical boxes and knife plates, shall be flashed in compliance with local building codes and manufacturer's published installation instructions. Flashing materials shall comply with ICC Acceptance Criteria. Flashings and Grip-Rite weather resistive barriers shall be fully integrated to shed water. To form an air barrier, all joints and transitions must be fully sealed with an approved tape.

Grip-Rite weather resistive barriers shall be secured to the substrate with 1" plastic headed cap nails for wood framing and

minimum #7 diameter screws with plastic washers for steel framing. Grip-Rite fasteners are recommended for this application. Fasteners shall adequately penetrate the framing into the studs for a secure connection. The purpose of the attachment is preliminary attachment only. Full attachment is achieved with the cladding application. Where battens are installed for rain screen applications, the barrier may be secured with the battens at each stud.

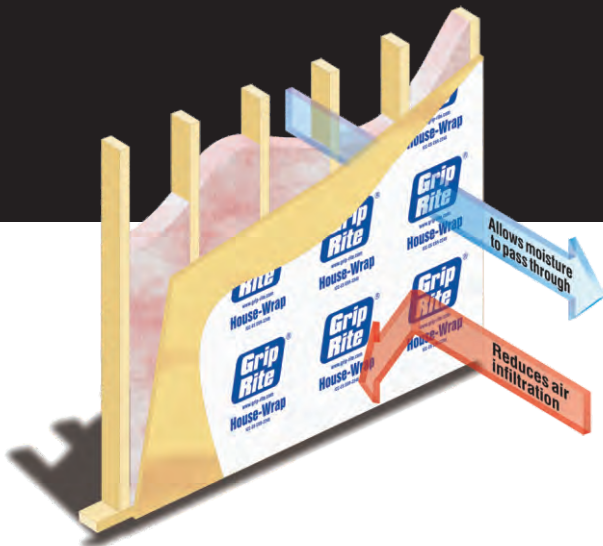
The barrier shall be installed with the printed side out. Apply horizontally at the base of the wall, overlapping the bottom of the sheathing by 1." Overlap each successive course a minimum of 6" at the side laps and 8" at the end laps. Fasteners shall be placed every 12" - 18" o.c. on the vertical studs and 8" o.c. at the sill and top plates.

When installing over non-structural sheathing, attachment shall be to the framing members, fully penetrating the sheathing and any exterior insulation; 3/4" embedment into the framing is recommended. Wrap inside and outside corners a minimum of 8" to create a double layer of house-wrap at all corners. If the barrier is to provide temporary protection of the exterior walls, insure the top course is fully sealed to resist water infiltration.

When the exterior cladding is stucco and the sheathing layer is wood-based, two layers of weather resistive barrier are required unless the lath includes a layer of Grade 'D' paper or a separate layer of Grade 'D' paper is applied over the base layer of weather resistive barrier. All applications shall be compliant with local building codes and industry practice. Do not apply any surfactants or additives containing surfactants to the surface of the barrier as these will negatively impact the water hold-out performance of the product.







## Installation Instructions (continued)

Grip-Rite weather resistive barriers have been designed as a barrier for application to exterior vertical walls. The product has not been designed, nor is it approved, for any uses resulting in foot traffic. Grip-Rite weather resistive barriers are not a vapor retarder or vapor barrier. Please refer to ICC - ES ESR Report 2248 (2252 for commercial grade and 2496 for House-Wrap-E) for additional testing or physical property information.

Where sealing of penetrations is required, use **Grip-Rite® House-Wrap Tape**. For best results, the substrate shall be dry and the tape rolled with a silicone pressure roller. Position the tape to equally distribute the tape surface onto each attachment plane.



### Grip-Rite® House-Wrap Tape

SKU	Size	Rolls/ Sleeve	Rolls/ Carton
HWT178165	1-7/8 in. x 165 ft.	6	36

- ☒ Ultra-strong biaxial oriented polypropylene.
- ☒ Packed in contractor friendly easy-open cartons.
- ☒ Acrylic adhesive seals perfectly to Grip-Rite House-Wrap and other leading brands.

## Physical Properties of Grip-Rite® Weather Resistive Barriers

Property	Standard	Grip-Rite® House-Wrap-E	Grip-Rite® House-Wrap	Grip-Rite® Commercial Grade
Thickness	ASTM D3767	6.1	7.1	8.1
Weight per 1000 ft. <sup>2</sup>	AC 38	15.0	15.0	21.0
Perms	ASTM E96-A	15.3	15.3	7.1
Tensile	ASTM D882	39/43	50/33	56/36
Water Resistance	ASTM D779-03	Pass	Pass	Pass
Air Permeance	ASTM E2178	Pass	N/A	Pass
Surface Burning Flame Spread / Smoke Dev.	ASTM E84	Class A / Class A	N/A	Class A / Class A
Accelerated Aging	AC 38	Pass	Pass	Pass
UV Exposure	AC 38	Pass	Pass	Pass
UV Days	AC 38	200	210	270
Air Barrier	AC 38	ASTM E2178	ASTM E2178 / E2357	ASTM E2178 / E2357
ICC ESR LISTING	AC 38	2496	2248	2252

Material Description		Grip-Rite® House-Wrap-E	Grip-Rite® House-Wrap	Grip-Rite® Commercial Grade
Substrate	—	Woven HDPE	Woven HDPE	Woven HDPE
Substrate Scrim	—	5 x 5	9 x 5	9 x 5
Coating	—	LDPE 1 side	LDPE 2 sides	LDPE 2 sides
Material Weight (gsm)	—	74	74	98
Microperforation	—	Yes	Yes	Yes



# WEATHER RESISTIVE BARRIERS



Grip-Rite® Weather Resistive Barrier used at O'Hare International Airport

## Grip-Rite® House-Wrap Roll Packaging

SKU	Size	Rolls/ Pallet	Pallets/ Container	Rolls/ Container
HW3100GR	3 ft. x 100 ft.	252	24	6,048
HW3150GR	3 ft. x 150 ft.	180	24	4,320
HW3195GR	3 ft. x 195 ft.	150	24	3,600
HW9100GR	9 ft. x 100 ft.	84	24	2,016
HW9150GR	9 ft. x 150 ft.	60	24	1,440
HW9195GR	9 ft. x 195 ft.	50	24	1,200
HW10100GR	10 ft. x 100 ft.	84	18	2,016
HW10150GR	10 ft. x 150 ft.	60	18	1,440
HW10195GR	10 ft. x 195 ft.	50	18	1,200

## Grip-Rite® House-Wrap-E Roll Packaging

SKU	Size	Rolls/ Pallet	Pallets/ Container	Rolls/ Container
HW3100GRE	3 ft. x 100 ft.	252	24	6,048
HW3150GRE	3 ft. x 150 ft.	180	24	4,320
HW3195GRE	3 ft. x 195 ft.	195	24	3,600
HW9100GRE	9 ft. x 100 ft.	84	24	2,016
HW9150GRE	9 ft. x 150 ft.	60	24	1,440
HW9195GRE	9 ft. x 195 ft.	50	24	1,200
HW10100GRE	10 ft. x 100 ft.	100	18	1,800
HW10150GRE	10 ft. x 150 ft.	67	18	1,206
HW10195GRE	10 ft. x 195 ft.	51	18	918

## Grip-Rite® Commercial Grade Roll Packaging

SKU	Size	Rolls/ Pallet	Pallets/ Container	Rolls/ Container
CGW3100GR	3 ft. x 100 ft.	216	24	6,048
CGW3150GR	3 ft. x 150 ft.	180	20	4,320
CGW3195GR	3 ft. x 195 ft.	180	16	3,600
CGW9100GR	9 ft. x 100 ft.	72	24	2,016
CGW9150GR	9 ft. x 150 ft.	60	20	1,440
CGW9195GR	9 ft. x 195 ft.	60	16	1,200
CGW10100GR	10 ft. x 100 ft.	84	18	1,512
CGW10125GR	10 ft. x 125 ft.	55	18	1,320
CGW10150GR	10 ft. x 150 ft.	50	18	1,200
CGW10195GR	10 ft. x 195 ft.	36	18	864



**PRIME SOURCE**  
BUILDING PRODUCTS, INC.

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