

## **R** CONTROL WATER-RESISTIVE BARRIER

### Prime Wrap®

The forces of nature affect everything. You shouldn't build a residential or commercial structure without giving it protection against exterior moisture intrusion. Prime Wrap is a woven and coated polyethylene fabric with micro-perforations engineered as a Water-Resistive Barrier for use in residential and commercial wall construction.

#### Code Recognized

Prime Wrap is recognized as a code compliant product. The Prime Wrap code report is available from ICC-ES.

Prime Wrap Properties		
Property	Result	Test Method
Tensile Strength	MD 50 (lbs/in) & CD 46	ASTM D882
Air Penetration Resistance	<0.02 L/s/m <sup>2</sup> @ 75 Pa <0.004cfm/ft <sup>2</sup> @ 1.57 psf)	ASTM D779
Water Resistance	Pass	ASTM D779
Water Vapor Transmission	63.1 (grams /sq. meter)	ASTM E96
Water Vapor Permeance	9.1 (perm)	ASTM E96
Canadian Water Ponding	Pass	CCMC 07193
Pliability	Pass	SBCCI
Flame Spread	Class A	ASTM E84
Smoke Developed	Class A	ASTM E84

#### Dimensions

Roll Size: 10 ft. x 150 ft.

Roll Weight: 27 lbs.

#### R-Control SIP Accessory Availability

ThermaFoam R-Control will be happy to collaborate with you to determine your needs for R-Control SIP Accessories as part of your complete R-Control SIP package. For additional information on R-Control SIPs and to contact your nearest supplier visit the [www.thermafoamrcontrol.com](http://www.thermafoamrcontrol.com).



## CONTROL, NOT COMPROMISE.®

### Prime Wrap used in conjunction

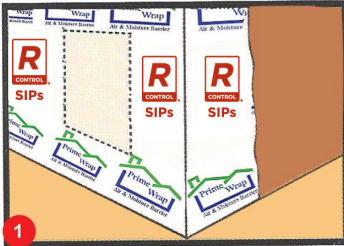
#### with flashings helps to prevent moisture related problems.

- Translucent - making it easy to cut, fit, and fasten. Easier installation results.
- UV Exposure - protected from harmful ultraviolet rays.
- Water Vapor Permeance - exceeds 5 perms, allowing wall system to breathe moisture vapor.
- Tensile Strength - twice the tensile strength of most competitive products.

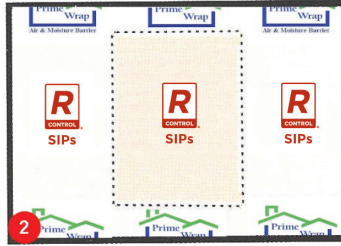
## Installation Highlights

Prime Wrap Housewrap is installed on the exterior walls over exterior sheathing - after wall framing is complete and before windows or doors are installed. The printed side applied facing the outside.

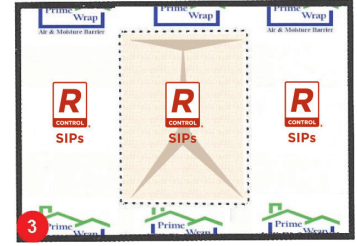
Install Prime Wrap using “shingle-lap” fashion, with higher courses lapped over lower courses by at least 2 inches. Any vertical seams created by ending one roll and beginning another should have an overlap of at least 6 inches. Use Prime Wrap Tape to tape all horizontal and vertical joints, seams, cuts and at terminations. For complete information on Prime Wrap please visit [www.csfabric.com](http://www.csfabric.com).



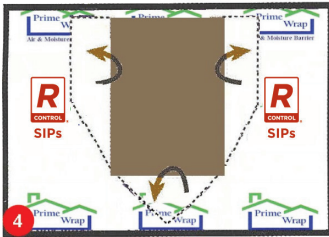
Start with lowest course, 2-3 feet from a corner. Secure Prime Wrap housewrap firmly in place by fastening it every 12” to 18” along the vertical studs using large-headed or plastic cap nail or 1” crown staples.



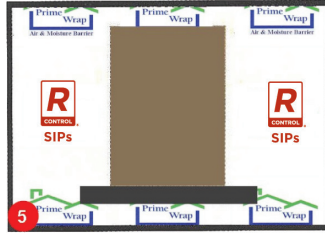
Continue to unroll the Prime Wrap tightly around the structure - covering all door and window openings. While nailing or stapling make sure the fabric is taut against the exterior wall and not sagging. Seal all seams, tears, and cuts with Prime Wrap Sheathing Tape.



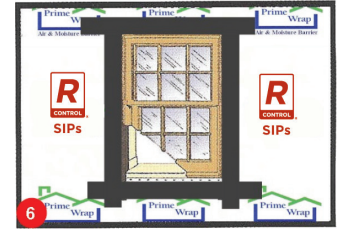
Make an inverted Y cut in the housewrap at rough opening. Then cut straight across the top and make diagonal cuts from the top corners to create header flap.



Fold the flaps in through the opening at the two sides and the sill and fasten them inside with staples set about every 6 inches.



Temporarily tape header flap up to expose nail base material. Install the sill flashing over the housewrap.



Apply sealant behind window flanges and install windows.

- Install jamb flashing over side window flanges.
- Install head flashing over the top window flange and extend beyond jamb flashings.
- Remove temporary tape from header flap and fold back down over top flange.
- Seal header flap with approved flashing tape.



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