



**HardieWrap™**

The best-built homes have  
HardieWrap™ written all over them.



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JamesHardie

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Pioneering A Better Way To Build.

As makers of the #1 brand of siding in America, no company knows how to create a more beautiful, durable and weather-resistant home than James Hardie. With over \$130 million invested in research and development, we're constantly creating forward-thinking solutions with one mission in mind—to help you build a better home.

James Hardie sets the standard again.

Over the last 20 years, James Hardie has revolutionized the exterior cladding market. Our unique fiber-cement products have helped builders create millions of beautiful and durable homes. Now, we've taken our expertise in weather protection and created a better water-resistive barrier to put under your siding. A weather barrier solution designed to protect your homes against water, humidity and wind that comes with the name you know and trust.

# Introducing HardieWrap™ weather barrier, an innovative approach to weather protection for your homes.

## The Science Behind the Siding.™

With the introduction of HardieWrap™ weather barrier, we've taken what we know about the best practices in home building science and applied it to weather-resistant barriers.

## Introducing MicroTech™ Coating.

Just like siding, a better weather barrier starts with better material. HardieWrap weather barrier is a premium, non-woven water-resistant barrier. It contains a unique MicroTech™ Coating that enables higher performance:

- Balance — Provides resistance to water intrusion, while allowing water vapor to pass through breathable micropores to allow drying
- Energy Efficiency — Provides superior air penetration resistance to save energy
- Strength — Ensures greater strength with an 11 mil thick sheet
- Trust — Fully backed by James Hardie Building Products



Wrapping a home with a continuous air barrier like HardieWrap™ weather barrier reduces air leaks saving energy and protecting the environment.

## HardieWrap™ weather barrier provides a balance you can count on.

HardieWrap weather barrier with MicroTech Coating provides a balance of water resistance and water vapor permeability, reducing water intrusion from the outside while releasing moisture from inside the home to dry out the wall cavity.

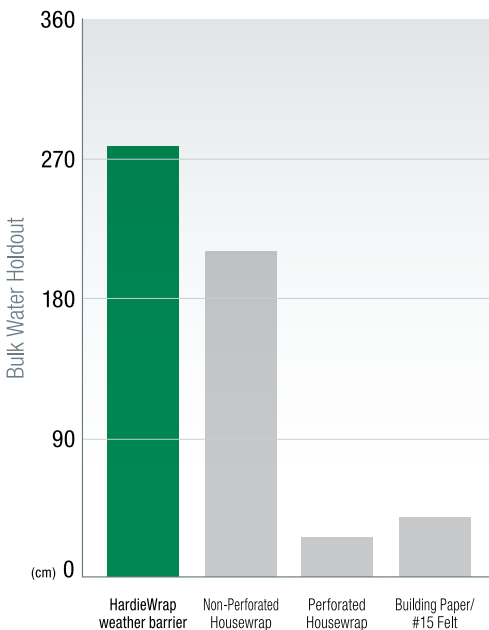
HardieWrap weather barrier also delivers superior air penetration resistance to reduce energy loss in the home.



# HardieWrap™

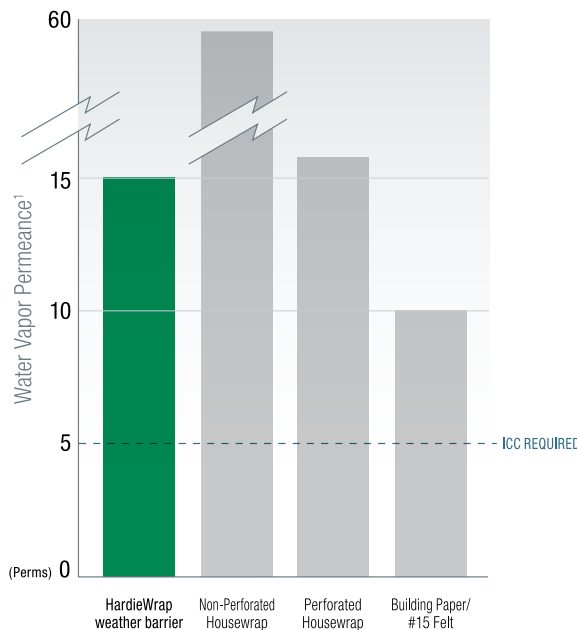
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## Water Resistance<sup>1</sup>



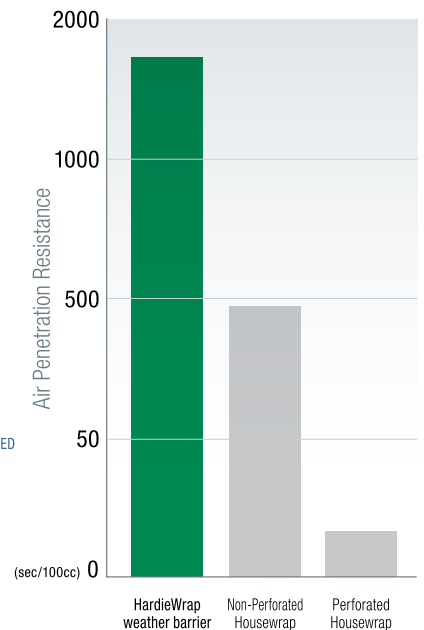
HardieWrap™ weather barrier performs at a higher level, resisting the intrusion of water into the wall cavity that can lead to damage.

## Breathability



HardieWrap weather barrier has a water vapor permeance of 15 perms — three times as high as the building code minimum — to allow drying to occur. While higher water vapor permeance may increase drying potential, it may also allow more water vapor to enter the wall cavity. This is especially true when the air outside the home is hot and humid.

## Air Resistance



Increased air penetration resistance leads to better energy efficiency.

HardieWrap weather barrier provides a high level of air penetration resistance to help reduce heating and cooling costs. Building Paper / #15 Felt has minimal air penetration resistance and is not designed as an air barrier.

<sup>1</sup> Published Data

## HardieWrap™ weather barrier – Side by side, there’s no comparison.

	HardieWrap™ weather barrier	Non-Perforated Housewrap	Perforated Housewrap	Building Paper / #15 Felt	Comments
<b>Water Resistance</b> AATCC127	325 cm	186-210 cm	10-25 cm	52 cm	Higher is better. Compared to other products, HardieWrap weather barrier is more resistant to water intrusion.
<b>Water Vapor Permeance</b> ASTM E-96A	15 Perms	7-58 Perms	6-18 Perms	5-14 Perms	ICC requires a water vapor permeance greater than 5. HardieWrap weather barrier provides sufficient drying while reducing water vapor intrusion.
<b>Air Penetration Resistance</b> TAPPI T-460	>1800 Seconds/100 cc	300-490 Seconds/100 cc	8-16 Seconds/100 cc	N/A not tested	Higher is better. HardieWrap weather barrier is more air resistant, which increases the potential to improve energy efficiency.
<b>Trapezoid Tear Strength</b> ASTM D1117	18/15 lbs.	6/6 lbs.*	37/49 lbs.	.44/.44 lbs.	Higher is better. Tears can result in leaks, leading to serious water damage and mold.

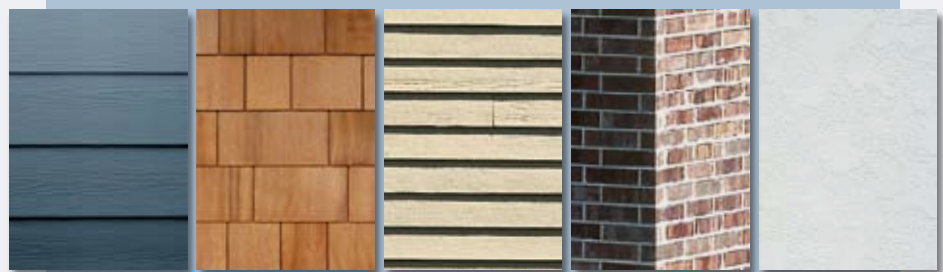
HardieWrap™ weather barrier exceeds other housewraps and Building Paper / #15 Felt across key performance criteria, delivering superior performance and protection for builders, remodelers and homeowners.

## Two lines of defense are better than one.

An exterior cladding is your first line of defense against the weather. The HardieWrap™ weather barrier solution gives your homes a second line of defense against water and air infiltration, creating a complete weather protection envelope.

The HardieWrap™ weather barrier solution is comprised of HardieWrap™ weather barrier, HardieWrap™ Flashing, HardieWrap™ Flex Flashing and HardieWrap™ Seam Tape<sup>2</sup>. It all adds up to the kind of protection a home deserves. And the kind of protection your customers demand.

### The complete weather barrier solution



James Hardie Siding

Cedar Shingles

Wood-based

Brick

Stucco



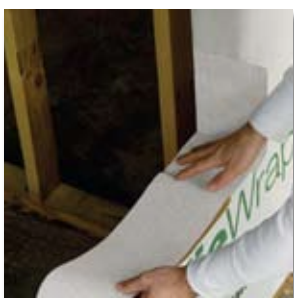
HardieWrap™ weather barrier

HardieWrap™ Flashing

HardieWrap™ Flex Flashing

HardieWrap™ Seam Tape

<sup>1</sup> Data from leading housewrap  
<sup>2</sup> When products are installed in accordance with relevant AAMA and ASTM standards.



## Built by the best for the best.

While the HardieWrap™ weather barrier is built to last, even the best product is only as good as the people who install it. James Hardie offers a wide range of support services to ensure Best Practices Installation.

- Local Installation Specialists for install guidance
- Sales support network
- Customer and technical services hotline
- Installation instructions on the website

When correctly installed, HardieWrap weather barrier solution provides unmatched protection against the weather. For a complete list of installation requirements and support, visit [www.hardiewrap.com](http://www.hardiewrap.com) or call us at 1-866-4-HARDIE (1-866-442-7343).

## Nobody backs your siding like James Hardie.

No matter what type of cladding material you specify, HardieWrap weather barrier provides a higher level of performance. And it's all backed by a 10-year limited transferable product warranty.

Contact your local James Hardie representative today about new HardieWrap weather barrier or call 1-866-4-HARDIE (1-866-442-7343).

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A Better Way To Build™

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1-866-4-HARDIE (1-866-442-7343) [www.hardiewrap.com](http://www.hardiewrap.com)

Additional installation information, warranties and warnings are available at [www.hardiewrap.com](http://www.hardiewrap.com).

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