



## HardieWrap® Weather Barrier

### Engineered for Climate®

As the makers of the #1 brand of siding in America, no company knows more about creating beautiful, durable and weather resistant exteriors than James Hardie. We pioneered a superior technology with our fiber cement siding products, the first layer of defense in weather protection. We've taken that same expertise to help create the HardieWrap weather barrier – your second line of defense.

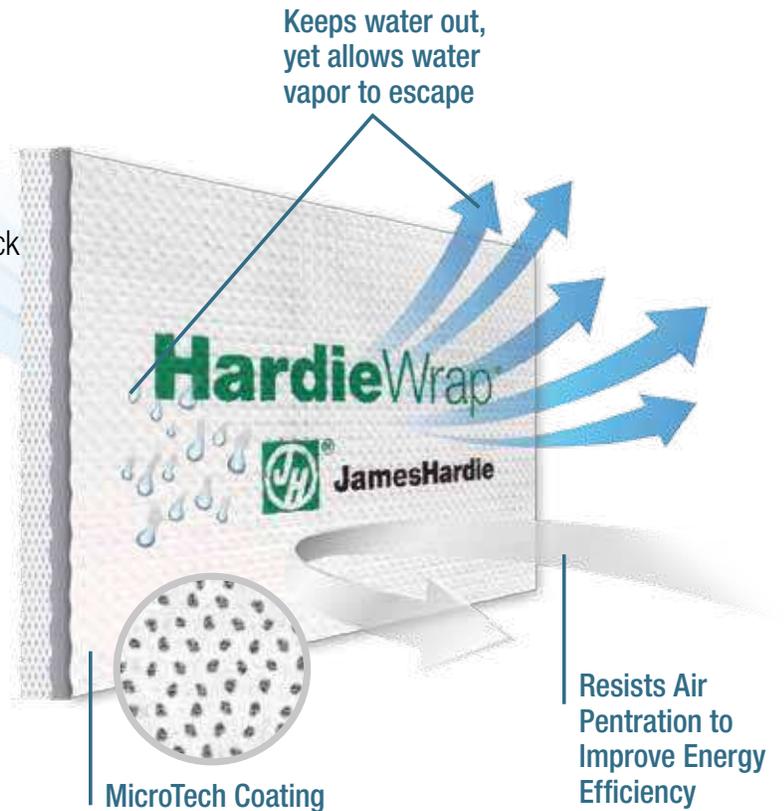


## HardieWrap® Weather Barrier Provides a Better Balance of Moisture Management

Just like siding, a better weather barrier starts with better material. HardieWrap weather barrier is a premium, non-woven, water-resistive barrier. It contains a unique MicroTech™ coating that provides a better balance of water resistance and water vapor permeability, reducing water intrusion while releasing moisture vapor from inside to dry out the wall cavity. HardieWrap weather barrier also delivers superior air resistance to reduce energy loss. This 11-mil thick sheet provides better strength than competitive products.

## A Weather Barrier that is Engineered for Climate®

As with all of our exterior products, HardieWrap weather barrier is engineered for climate. In reviewing the climatic factors that affect weather barrier performance, we determined the predominant factors that affect weather barrier performance are temperature and humidity. The temperature and humidity differences align with the two HardieZone® regions. So we created two weather barriers: one engineered for cold/wet climates and the other engineered for hot/humid climates. HardieWrap weather barrier is offered in two high performing products to meet the needs of HZ5® and HZ10® regions.\*\*



**HZ5**

For cold/wet climates of the Northern US, James Hardie provides a 25 perm product. This permeability level keeps water out, yet allows water vapor to escape. This product is labeled with the green logo: **Engineered for Climate®**

**HZ10**

In hot/humid climates of the South, a 15 perm product keeps humid air out, while still allowing water vapor to escape. This product is labeled with the black logo: **Engineered for Climate®**

\*\* While James Hardie recommends perm rating for each of the HardieZone regions, the warranty is not tied to the geography

# The HardieWrap® Weather Barrier Solution

The HardieWrap Weather Barrier Solution includes HardieWrap Weather Barrier, HardieWrap Flex Flashing, HardieWrap Pro Flashing and HardieWrap Seam Tape.

## HardieWrap® Weather Barrier

HardieWrap Weather Barrier is an innovative, higher performance weather barrier for residential, multifamily and light commercial.

<b>Composition:</b>	Non-woven, non-perforated polyolefin Film: MicroTech Coating with micropores to balance water holdout and breathability
<b>Thickness:</b>	11 mil
<b>UV Stability:</b>	Up to 180 days
<b>Water Holdout (AATCC127):</b>	325 cm
<b>Breathability/Water Vapor Permeance (ASTM E-96A):</b>	15 perms/25 perms
<b>Air Resistance (TAPPI T-460):</b>	>1800 sec/100 cc
<b>Tear Strength (ASTM D1117):</b>	15/18 lbs
<b>Basis Weight:</b>	19.4 lbs/1000 sq ft
<b>Sizes:</b>	3' x 100', 9' x 100', 9' x 150', 10' x 150'
<b>Approvals:</b>	Recognized in ICC-ES ESR 2658



## HardieWrap® Flex Flashing

HardieWrap Flex Flashing is designed to easily stretch and seal around custom-shaped windows and doors to prevent water intrusion. Progressive adhesion prevents water and air intrusion. Contains no asphalt, VOCs or solvents.



<b>Composition:</b>	Butyl rubber adhesive; creped cross-laminated polyolefin backing; polyethylene film release
<b>Total Thickness:</b>	60 mil
<b>Tensile Strength (ASTM D3759):</b>	18 lbs/in
<b>UV Stability:</b>	Up to 180 days
<b>Water Vapor Transfer Rate (ASTM E96-94):</b>	<.2g/100in <sup>2</sup> /24hrs
<b>Application Temperature:</b>	30°F to 180°F
<b>Operating Temperature:</b>	-30°F to 200°F
<b>Packaging:</b>	Each roll is packed in a convenient dispenser box
<b>Roll Weight:</b>	6" = 22.2 lbs/roll 9" = 33.3 lbs/roll
<b>Roll Sizes:</b>	6" x 75' (2x4 construction) 9" x 75' (2x6 construction)

## HardieWrap® Seam Tape

HardieWrap Seam Tape is designed to seal vertical and horizontal seams and small holes in the weather barrier. Adheres to most surfaces and contains no asphalt, VOCs or solvents.



<b>Composition:</b>	Polypropylene film coated with acrylic adhesive
<b>Total Thickness:</b>	3.0 mil
<b>Adhesion Peel to HardieWrap (PSTC-1):</b>	22 oz/in
<b>Tensile Strength (ASTM D3759):</b>	32 lbs/in
<b>Elongation:</b>	136%
<b>UV Stability:</b>	Up to 90 days
<b>Application Temperature:</b>	30°F to 180°F
<b>Operating Temperature:</b>	-30°F to 200°F
<b>Packaging:</b>	Individually shrink-wrapped
<b>Roll Weight:</b>	1 7/8" = 1 lb/roll
<b>Roll Size:</b>	1 7/8" x 165'

## HardieWrap® Pro Flashing

HardieWrap Pro Flashing is designed to peel and stick around doors and windows. Progressive adhesion prevents water and air intrusion. Contains no asphalt, VOCs or solvents.

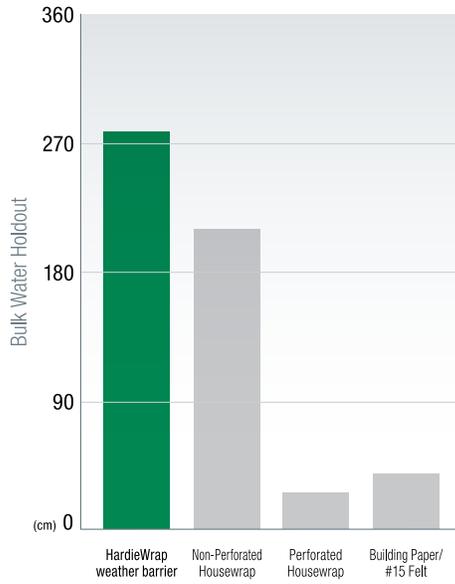


<b>Composition:</b>	Butyl Rubber Adhesive, kraft paper release
<b>Total Thickness:</b>	20 mil
<b>UV Stability:</b>	Up to 180 days
<b>Application Temperature:</b>	20 to 180°F (200°F)
<b>Operating Temperature:</b>	-35 to 180°F (200°F)
<b>Packaging:</b>	Individually shrink-wrapped
<b>Roll Weight:</b>	4" = 3.88 lbs/roll 6" = 5.81 lbs/roll 9" = 8.72 lbs/roll
<b>Roll Sizes:</b>	4" x 75' (6 rolls per case) 6" x 75' (6 rolls per case) 9" x 75' (3 rolls per case)

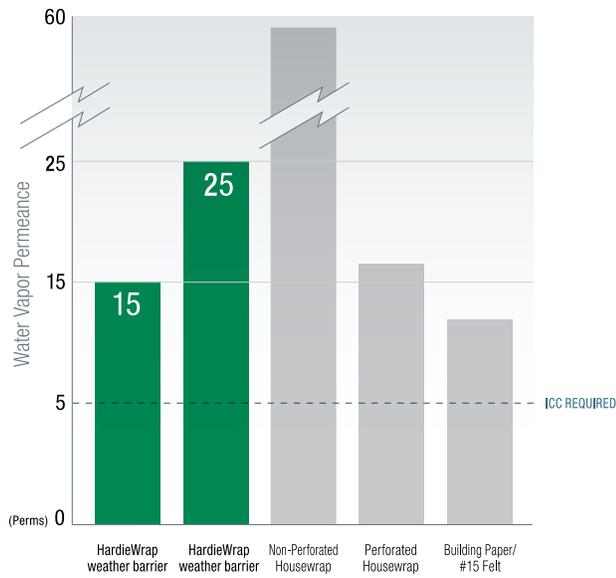
<b>Installation:</b>	Refer to your local HardieWrap product supplier or visit <a href="http://www.hardiewrap.com">www.hardiewrap.com</a>
<b>Technical Support:</b>	James Hardie has a team of installation specialists who can provide training and support. For technical inquiries please contact 1-866-4-HARDIE or visit <a href="http://www.hardiewrap.com">www.hardiewrap.com</a>
<b>Warranty:</b>	All HardieWrap products include a 10-year limited product warranty

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

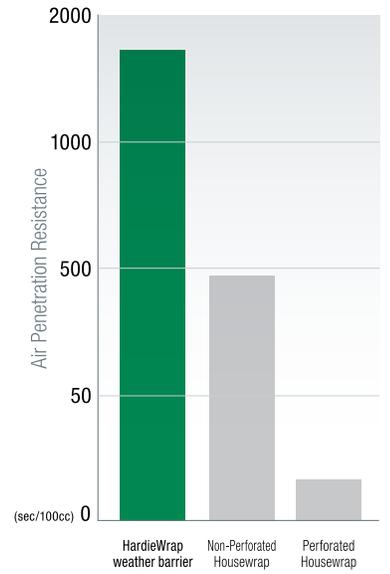
**WATER RESISTANCE<sup>1</sup>**  
Holds Out Water



**BREATHABILITY**  
Allows Wall Cavity to Dry



**AIR RESISTANCE**  
More Air Resistance = Better Energy Efficiency



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



**HardiePlank®**  
Lap Siding



**Shingles**



**Lap Siding**



**Brick**



**Stucco**

<sup>1</sup>Published Data

\*Follow cladding guidelines and local building code requirements.

