

ZIP SYSTEM® ROOF & WALL SHEATHING

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Roof & Wall Sheathing

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ZIP SYSTEM® ROOF & WALL SHEATHING



The Optimal Solution

ZIP System® Sheathing is designed specifically to address the growing need for building performance, comfort and energy efficiency and is the only all-in-one solution that delivers the strength, durability and efficiency of engineered wood while sealing out air and water.

ZIP System Sheathing brings together multiple layers of innovation, offering a true system approach where all of the layers are specifically designed to work together. A high quality oriented-strand-board panel is pressed at the mill with a revolutionary built-in weather-resistant barrier that eliminates the need for building wrap or felt. Simply install the panels and then tape the seams with ZIP System® Tape, a high-performance, acrylic-based tape that has been specifically designed for use with ZIP System Sheathing.

By combining these layers of technology, ZIP System Sheathing offers three primary benefits:

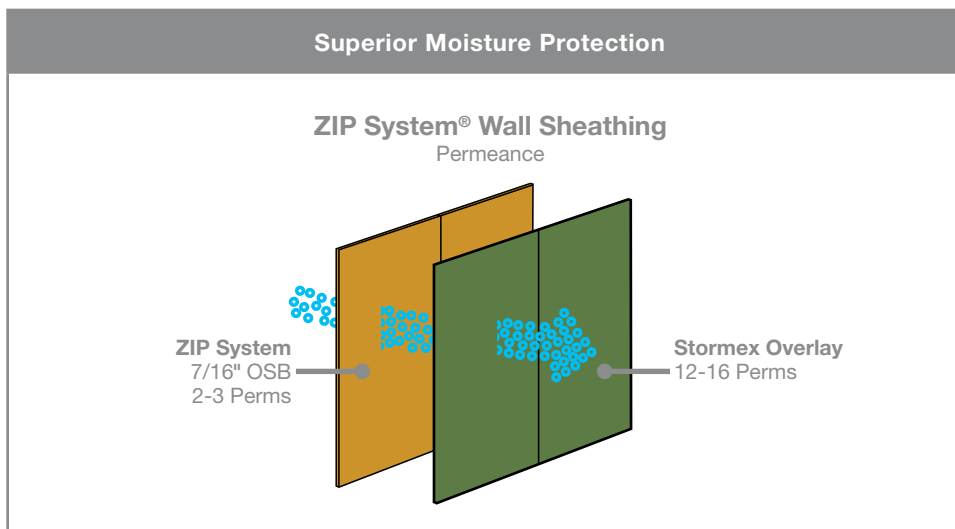
- 1 Superior Moisture Protection
- 2 Superior Air Protection
- 3 Simplicity and Ease of Installation

Offering peace of mind, ZIP System panels have undergone extensive performance testing and are backed by a best-in-class 30-year system warranty for delamination, as well as air and water hold-out.

ZIP System® Roof & Wall Sheathing Benefits

Superior Moisture Protection

- ZIP System® panels have built-in protective barriers that protect the entire panel surface from moisture. Install panels and seal seams with acrylic-based ZIP System® Tape to achieve one continuous barrier against water infiltration.
- ZIP System Sheathing has an integrated moisture barrier that is more durable than building wrap and felt, ensuring superior moisture protection during construction and throughout the service life of the building.
- The ZIP System Sheathing overlay protects against water intrusion while providing an optimal permeance level (12-16 perms) to allow panels to breathe and dry out.



ZIP System® Roof & Wall Sheathing Benefits

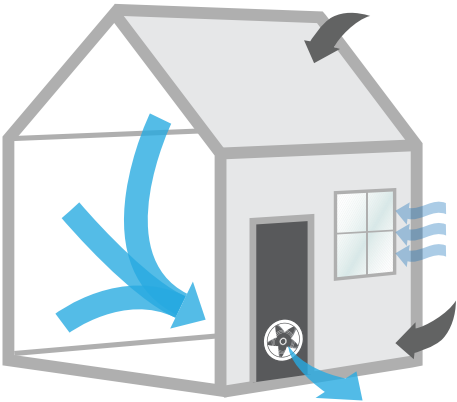
Superior Air Protection

- Sealing ZIP System® Sheathing with ZIP System® Tape creates a continuous rigid air barrier system that properly seals the building envelope and provides greater air barrier performance than traditional building wrap assemblies.
- Unlike building wrap, ZIP System Wall Sheathing is not susceptible to air leaks due to rips, tears or fastener penetrations.
- By taping panel seams with ZIP System Tape, ZIP System Wall Sheathing effectively seals the wall system, decreasing unwanted air leakage into and out of the walls. This helps protect the R-value of insulation, thereby contributing to overall occupant comfort and energy efficiency of a project.



Superior Air Protection

Blower Door Testing
ZIP System® Panels Help You Ensure a Lower ACH or a Tighter Home



Air Barrier

ASTM
E 2178-03
<0.02L(s•m²)
@ 75 Pa

ASTM
E 2357-05
<0.2 L(s•m²)
@ 75 Pa

ZIP System® Roof & Wall Sheathing Benefits

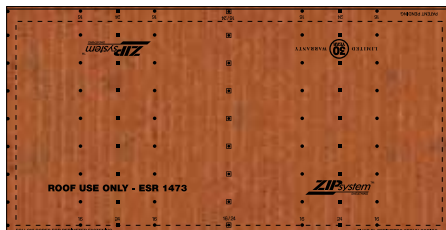
Simplicity and Ease of Installation

- ZIP System® Sheathing requires fewer steps to properly seal rough openings, such as windows and doors. This simplified process reduces the chance of installation errors and unwanted air or moisture penetration.
- With ZIP System Sheathing, the moisture barrier is integrated onto the surface of the panel, which eliminates the rework and repair common to ripped or blown-off building wrap and felt.
- ZIP System panels are supplied with fastening and tape guides pre-printed on the surface of the panel for ease of installation and simplified quality control.
- ZIP System Sheathing installs up to 40% faster than traditional systems, providing faster dry-in and improving the cycle time of projects!

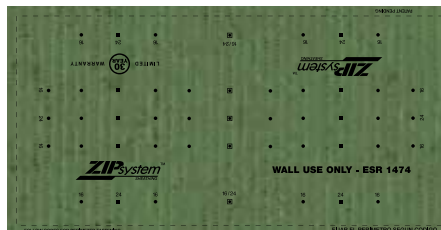


Simplicity and Ease of Installation

Pre-printed Fastening and Tape Guides for Ease of Installation



ZIP System® Roof Sheathing
with Built-in Moisture Barrier



ZIP System® Wall Sheathing
with Built-in Moisture Barrier



ZIP System Sheathing is backed with an industry-leading 30-year limited warranty.²

ZIP SYSTEM® TAPE



Unlike Any Tape You've Used

ZIP System® Tape transforms our sheathing panels into a seamless protective barrier for the outside of your building. Its advanced acrylic adhesive is proven to deliver a superior airtight and watertight seal that resists harsh elements. That's why acrylic is trusted for some of the most demanding applications in the world. ZIP System Tape can save you time and money on the job, and you can leave the site with confidence it will deliver lifelong performance.

Advanced Adhesive Science

The result of advanced physical and chemical building science, ZIP System Tape is specially engineered to bond with ZIP System® panels. It creates a magnetic-like attraction on the molecular level, forming a permanent seal.

Strong Within

ZIP System Tape has both robust adhesion and cohesion, meaning it's internally strong. Intertwined polymer chains provide excellent internal strength, adding to the overall reliability of its seal.

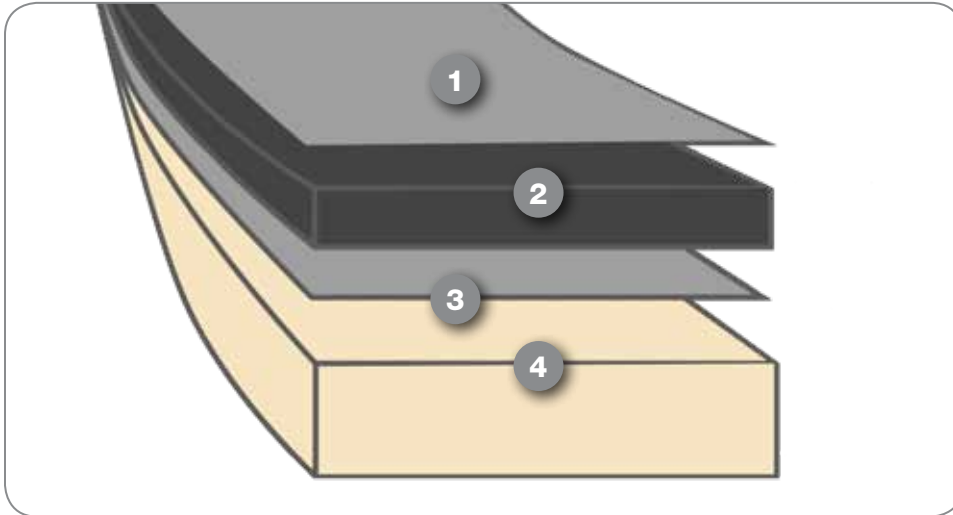
Adapts with a Building

ZIP System Tape can even adjust with a building over its lifetime. It flexes and **stretches up to 800%** to accommodate the normal contraction and expansion of walls.

ZIP System® Tape Benefits

Engineered to Perform

Each layer of ZIP System® Tape is engineered with a purpose, and they combine to form an easy-to-install, high-performance product. Its advanced acrylic adhesive actually gets stronger over time, and the tape thickness is optimized for a lasting seal that is completely airtight and watertight.

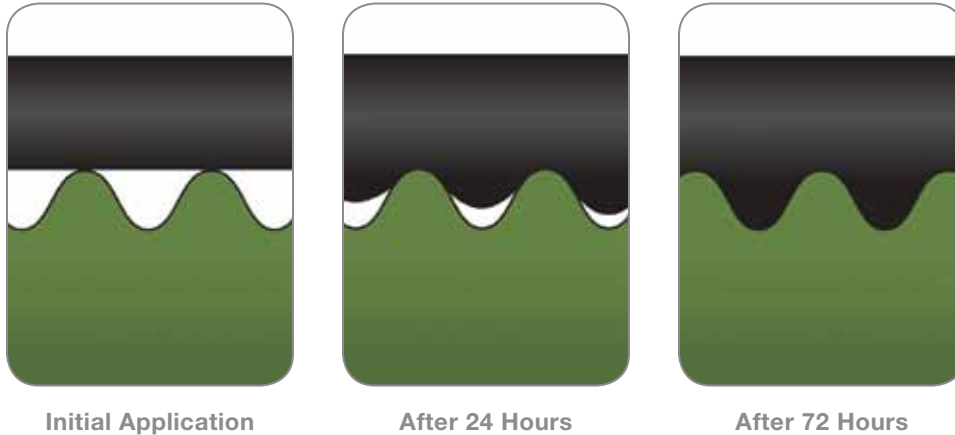


- 1 Top Layer**
 - Provides good tack, for slip resistance and safety
- 2 Thick Inner Layer**
 - Offers dimensional stability, weather and UV protection
 - Carbon black for “sunscreen”
 - Anti-oxidants for durability
- 3 Bonding Layer**
 - Specially formulated to bond with the adhesive
- 4 Advanced Acrylic Adhesive**
 - Delivers a lifetime of superior adhesion
 - Resists heat and UV light
 - Permanent bond strength

ZIP System® Tape Benefits

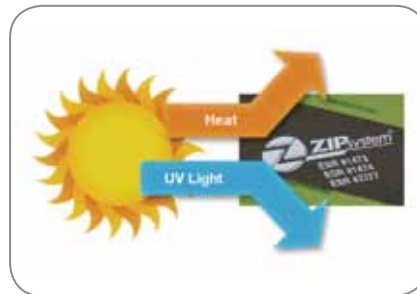
It Sticks

ZIP System® Tape's advanced acrylic adhesive is made of highly polar molecules, meaning a magnetic-like attraction pulls the adhesive into ZIP System® panels. This helps the tape wet out well, flow into panel ridges and produce a permanent molecular bond. The result is a superior, lasting seal that is considerably stronger than traditional asphalt and butyl tapes.



It Lasts

The acrylic adhesive in ZIP System Tape resists heat and UV sunlight far better than butyl and asphalt. Cross-linked polymer chains create extremely strong molecular bonds that withstand a much wider range of temperatures. And they dissipate light energy, which can break the bonds in asphalt and butyl. In even severe conditions.

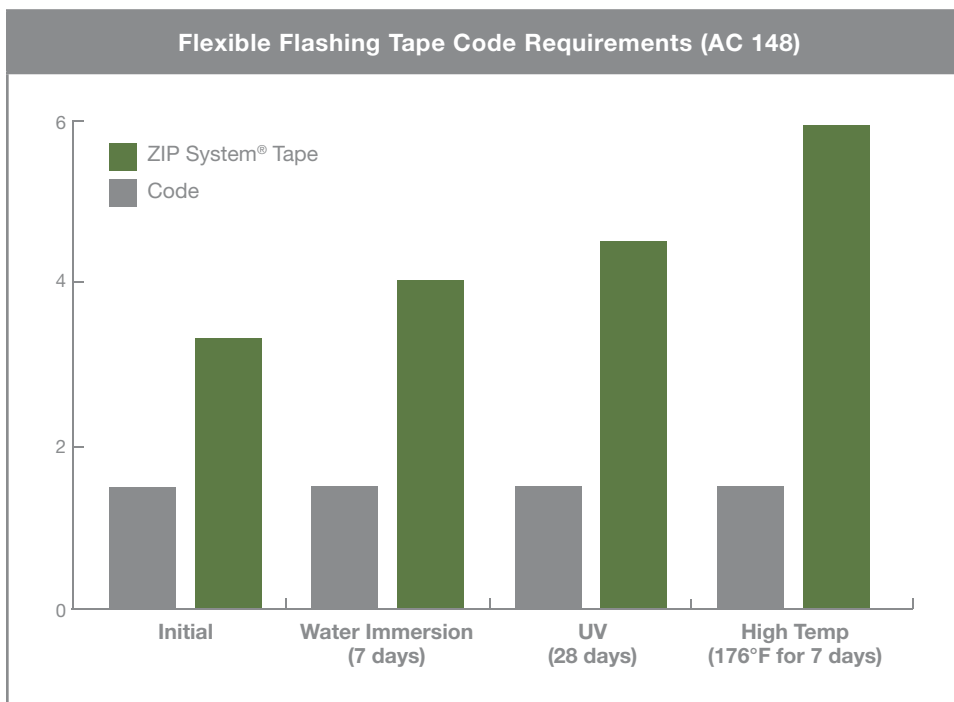


ZIP System Tape retains superior adhesion strength for years, which is why it is backed with an industry-leading 30-year limited warranty.²

ZIP System® Tape Benefits

Tested Tough

ZIP System® Tape must undergo rigorous tests to ensure its long life. It's exposed for extended periods in various assemblies and is put through accelerated aging tests. Even in brutal wind-driven rain simulations, it withstands wind speeds of up to 110 miles per hour.



ZIP System® Product Data

ZIP System® Wall Sheathing						
Performance Category	Panel Size	Edge Profile	PS2 Span Rating	Code Evaluation Report	Vapor Transmission of WRB	Air Barrier
7/16	4' x 8'	T&T	24/16, 24/0**	ESR 1474	12-16 perm ASTM E 96-00 Procedure B	ASTM E 2178-03 <0.02L(s•m²) @ 75 Pa ASTM E 2357-05 <0.2 L(s•m²) @ 75 Pa
1/2	4' x 8'	T&T	32/16			
7/16 Extended Lengths*	4' x 8' 1-1/8" 4' x 9' 4' x 9' 1-1/8" 4' x 10' 4' x 10' 1-1/8"	T&T	24/0**			

*Contact your Huber Sales Professional for availability in your area.

**24/0 Span Rated Panels available from Broken Bow, OK manufacturing facility only.

ZIP System® Roof Sheathing					
Performance Category	Panel Size	Edge Profile	PS2 Span Rating	Code Evaluation Report	Vapor Transmission of WRB
1/2	4' x 8'	T&T	24/16	ESR 1473	12-16 perms ASTM E 96-00 Procedure B
5/8	4' x 8'	T&T, T&G*	32/16		

*Contact your Huber Sales Professional for availability in your area.

ZIP System® Tape								
Nominal Width	Roll Length	Thickness	Adhesive	Code Evaluation Report	Installation Temperature Range	UV Exposure Rating	Tensile Strength	Elongation
3-3/4"	90'	12 mils	Acrylic	ESR 2227	20F-120F	180 days	938 psi	400%- 800%
6"								

References: 1. Based on time studies conducted by an independent third party and 2005 ZIP System builder survey.
2. Limitations and restrictions apply. Visit zipsystem.com for details.