THEY WON'T ALWAYS SEE IT,
BUT THEY’LL BE GLAD IT’S THERE.

Your homeowners might never see the Huber Engineered Woods products you install. But they will always feel its benefits: greater indoor comfort, quiet, solid floors and lasting peace of mind.

We hold our products to a higher standard, so you can too. Your beautiful surfaces deserve an exceptional base – and your homeowners an exceptional home.

HUBER ENGINEERED WOODS

ADVANTECH® FLOORING AND SHEATHING
- AdvanTech™ Subfloor Assembly
- AdvanTech® Subflooring
- AdvanTech™ Subfloor Adhesive
- AdvanTech® Roof and Wall Sheathing

ZIP SYSTEM® BUILDING ENCLOSURES
- ZIP System® Wall Applications
- ZIP System® Roof Applications
- ZIP System™ Sealing Solutions

SUSTAINABILITY PRACTICES
Founded in 1883, the J.M. Huber Corporation has grown to be one of the largest family-owned companies in the U.S. We’re now a global company with approximately 4,000 employees in more than 20 countries. We are guided by a spirit of creativity and innovation that transforms ideas into products that meet the challenges of an evolving world. And we do all this while honoring a commitment to the Huber Principles:

- Environmental Health and Safety (EHS) Sustainability
- Ethical Behavior
- Respect for People
- Excellence
At Huber Engineered Woods, we create innovative, high-performance and environmentally responsible products that allow your roofs, walls and floors to live up to their full potential.

Our engineered wood sheathing and subfloor products help homes and buildings meet today’s increasingly demanding codes and discerning property owners, while allowing builders to differentiate from their competition. Our products are specifically engineered to enhance the performance of the building and the lives of the people who live and work inside them.

NATIONWIDE AVAILABILITY
With an extensive manufacturing and distribution network, Huber serves the construction industry nationwide.

DEDICATED CUSTOMER SUPPORT
Knowledgeable sales representatives are available nationwide to provide product information, answer installation questions and more. To locate a representative in your area, call 1.800.933.9220.
Engineered with strength, moisture resistance and nail-holding power, AdvanTech® subflooring is the brand builders trust for quality subfloors. Combined with the polyurethane bond of AdvanTech™ subfloor adhesive, the AdvanTech™ Subfloor Assembly offers a panel-to-joist connection so powerful you won’t hear a squeak, guaranteed¹.

Build with award-winning AdvanTech subflooring and rest assured you’ll get the most from your subfloors and everything you build on top of them for the FLAT OUT BEST™ in quiet, stiff floors.

**BUILT TO A HIGHER STANDARD**
AdvanTech® subflooring is substantiated by third-party evaluation services for published design values for strength, stiffness and fastener-holding power above PS-2 minimums.² These values are documented in ESR-1785.³ Visit icc-es.org for the full report.

**LIFETIME LIMITED WARRANTY⁴**
Backed by a lifetime limited warranty, AdvanTech subflooring delivers performance you can trust.

**NO-SANDING GUARANTEE⁴**
AdvanTech® subflooring will stand up to your most demanding jobsites and are backed by a 500-day no-sanding guarantee⁴. Say goodbye to swelling, cupping and delamination.

**VOTED #1 IN QUALITY⁵**
Builders from across the nation have voted AdvanTech subflooring #1 in quality in its category every year for over a decade⁵. That’s a reputation you can build on.

Visit AdvanTechQuiet.com for more information.
ENGINEERED TO BRING PERFORMANCE, QUALITY AND CONFIDENCE INTO EVERY FLOOR.

LONG-LASTING STRENGTH AND STIFFNESS
High wood density, paired with advanced engineering, provides the strength and stiffness needed to deliver a quiet, stiff floor.

DEFENDS AGAINST MOISTURE
Advanced moisture-resistant resins seal every strand of wood to resist swelling, cupping or flaking.

FASTENER-HOLDING POWER REDUCES FLOOR SQUEAKS
The high wood density and advanced resins inside AdvanTech® subflooring securely hold floor fasteners in place, helping to reduce nail pops and floor squeaks.

INSTALLATION SPEED AND EASE
Consistent manufacturing, plus pre-printed fastening guides and a precisely engineered tongue and groove profile, helps ensure every panel of AdvanTech subflooring installs quickly and easily.

STRUCTURAL 1
AdvanTech subflooring and sheathing panels are tested and marked as Structural 1 to satisfy the most demanding of specifications.

<table>
<thead>
<tr>
<th>PERFORMANCE CATEG</th>
<th>PANEL SIZE</th>
<th>PS-2 SPAN RATING</th>
<th>CODE EVALUATION REPORT</th>
<th>EDGE PROFILE</th>
<th>PANEL GRADE</th>
<th>APPROX. WEIGHT PER PANEL</th>
<th>PANELS PER UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>19/32</td>
<td>4' x 8'</td>
<td>20 oc</td>
<td></td>
<td>x</td>
<td>T&amp;G rated for 19/32</td>
<td>66 lbs.</td>
<td>55 pcs.</td>
</tr>
<tr>
<td>23/32</td>
<td>4' x 8'</td>
<td>24 oc</td>
<td>ESR-1785</td>
<td>x</td>
<td>Structural 1</td>
<td>78 lbs.</td>
<td>45 pcs.</td>
</tr>
<tr>
<td>7/8</td>
<td>4' x 8'</td>
<td>32 oc</td>
<td></td>
<td>x</td>
<td></td>
<td>96 lbs.</td>
<td>40 pcs.</td>
</tr>
<tr>
<td>1</td>
<td>4' x 8'</td>
<td>32 oc</td>
<td></td>
<td>x</td>
<td></td>
<td>109 lbs.</td>
<td>35 pcs.</td>
</tr>
<tr>
<td>1-1/8</td>
<td>4' x 8'</td>
<td>48 oc</td>
<td></td>
<td>x</td>
<td></td>
<td>125 lbs.</td>
<td>30 pcs.</td>
</tr>
</tbody>
</table>

1. Limitations and restrictions apply. See SqueakFreeGuarantee.com for details.
2. AdvanTech® flooring is substantiated by third party evaluation services for published design values for strength, stiffness and fastener holding power above PS-2 minimums. ESR-1785 documents design values for AdvanTech® panels above commodity-grade panels. Please see ESR-1785 for published design values for AdvanTech® panels. Only 23/32 thickness AdvanTech® flooring, and 1/2 and 5/8 thicknesses of AdvanTech® roof and wall sheathing are included in ICC-ES report ESR-1785.
3. ESR-1785 is an Evaluation Services Report (ESR) issued by the International Code Council Evaluation Service. Evaluation reports from ICC Evaluation Service are frequently used by code officials to verify that new and innovative building products comply with code requirements.
5. BUILDER magazine’s 2002-2019 Brand Use Studies; OSB category.
6. See AdvanTech Flooring Product Data Sheet on AdvanTechPerforms.com for available thicknesses stamped as Structural 1.
7. Net face width is 47-1/2” on tongue and groove panel.
8. Estimated panel weight. Actual weight may vary by mill.
AdvanTech® subflooring is built to a higher standard with published design values above code minimum (PS-2) requirements. ESR-1785 documents design values for AdvanTech subflooring above commodity-grade panels:

- Overall, 62 percent better design bending strength
- 28 percent better design bending stiffness than commodity OSB
- 16 percent better design bending stiffness than commodity plywood
- Overall, 10 percent better design fastener-holding power

These values are available in ESR-1785 and can be viewed at icc-es.org.

**ADVANCED STRENGTH, STIFFNESS AND FASTENER-HOLDING POWER**

**DESIGN BENDING STRENGTH ($F_bS$)**

<table>
<thead>
<tr>
<th></th>
<th>24 oc Floor Panels (lbf-in/ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AdvanTech® flooring</td>
<td>1,250</td>
</tr>
<tr>
<td>Plywood (PS-2)</td>
<td>770</td>
</tr>
<tr>
<td>OSB (PS-2)</td>
<td>770</td>
</tr>
</tbody>
</table>

**DESIGN BENDING STIFFNESS (EI)**

<table>
<thead>
<tr>
<th></th>
<th>24 oc Floor Panels (lbf-in/ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AdvanTech® flooring</td>
<td>383,800</td>
</tr>
<tr>
<td>Plywood (PS-2)</td>
<td>330K</td>
</tr>
<tr>
<td>OSB (PS-2)</td>
<td>300K</td>
</tr>
</tbody>
</table>

**FASTENER WITHDRAWAL CALCULATED VALUES**

<table>
<thead>
<tr>
<th></th>
<th>30 (lbf/inch of thickness)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AdvanTech® flooring</td>
<td>23</td>
</tr>
<tr>
<td>Plywood (PS-2)</td>
<td>18</td>
</tr>
<tr>
<td>OSB (PS-2)</td>
<td>18</td>
</tr>
</tbody>
</table>

1. AdvanTech® flooring is substantiated by third party evaluation services for published design values for strength, stiffness and fastener holding power above PS-2 minimums. ESR-1785 documents design values for AdvanTech® panels above commodity-grade panels. Please see ESR-1785 for published design values for AdvanTech® panels. Only 23/32 thickness AdvanTech® flooring, and 1/2 and 5/8 thicknesses of AdvanTech® roof and wall sheathing are included in ICC-ES report ESR-1785.
2. ESR-1785 is an Evaluation Services Report (ESR) issued by the International Code Council Evaluation Service. Evaluation reports from ICC Evaluation Service are frequently used by code officials to verify that new and innovative building products comply with code requirements.
4. Allowable nail withdrawal values were calculated in accordance with the 2018 National Design Specification for Wood Construction using a 0.131-inch diameter nail for flooring and a 0.148-inch diameter nail for roof and wall sheathing calculations. American Wood Council ASD/LRFD.
5. References to OSB and plywood are to traditional OSB and traditional plywood.
HOW EXCEPTIONAL STRENGTH IS ENGINEERED INTO EVERY BOARD

1. **HIGH WOOD DENSITY**
   More wood is packed into each panel of AdvanTech® engineered flooring. This produces an ultra-dense, ultra-strong panel that securely grips fasteners.

2. **ADVANCED RESINS AND BLENDING**
   A sophisticated blending process coats every wood strand with advanced resins, ensuring a consistent and exceptionally strong bond throughout every square inch of the panel.

3. **OPTIMAL WOOD STRAND ORIENTATION**
   Wood strand orientation is carefully engineered and tightly controlled to achieve maximum strength, stiffness and fastener-holding power.

4. **TIGHT THICKNESS TOLERANCE**
   Precision sanding on both the top and bottom surfaces produces a consistent thickness so every panel lies flat and installs easily.

INSTALLS FAST AND LIES FLAT

AdvanTech® subflooring brings together a unique combination of bending strength, stiffness and fastener-holding power, so you can get the most from your flooring system.

The result is a solid-feeling floor that can enhance the quality of the entire home.
The average jobsite receives rain three times during construction and other factors such as high humidity, snow and ice can expose your projects to even more moisture.

Rest assured, AdvanTech® subflooring’s moisture resistance helps prevent headaches such as warping, swelling and delamination, leaving your finished floors smooth, flat and quiet.

MOISTURE RESISTANCE DURING AND AFTER CONSTRUCTION.

MOISTURE-RELATED PEACE OF MIND

The average jobsite receives rain three times during construction and other factors such as high humidity, snow and ice can expose your projects to even more moisture.

Rest assured, AdvanTech® subflooring’s moisture resistance helps prevent headaches such as warping, swelling and delamination, leaving your finished floors smooth, flat and quiet.

HOW ADVANTECH® SUBFLOORING IS SPECIALLY ENGINEERED TO RESIST MOISTURE

1. **HIGHLY COMPRESSED MATERIAL**
   High panel density helps reduce the rate of water absorption into the panel, even under harsh weather conditions.

2. **MOISTURE-RESISTANT RESINS**
   Advanced resins react chemically with the natural moisture in the wood, creating a highly moisture-resistant substance, similar to polyurethane.

3. **PROTECTION THROUGHOUT THE ENTIRE PANEL**
   Every wood strand is coated with advanced moisture-resistant resins that provide moisture resistance even along freshly cut edges.

4. **EDGE SEALANT**
   For added protection, every edge is coated with sealant to help prevent swelling during long-term storage or exposure to the elements.
DEFENDS AGAINST WATER
Help protect against swelling, cupping and delamination with the advanced resin technology of AdvanTech® subflooring. Improve cycle time by reducing costly re-work, construction delays and homeowner callbacks.

WATER ABSORPTION

Advantech subflooring is backed by a 500-day no-sanding guarantee. With a guarantee like this, your moisture-related jobsite headaches are long gone.

THE MOISTURE-RESISTING ADVANTAGE YOU CAN SEE

VS. OSB*
Traditional oriented strand board (OSB) has a reputation for frequent swelling and weakening after exposure to moisture. But AdvanTech® panels are made to withstand the elements – guaranteed.

24-HOUR EDGE SWELL DEMONSTRATION
Advantech® Flooring  OSB Flooring

VS. PLYWOOD*
When soaked in 1 inch of red water, the water line on the AdvanTech panel sample barely moves, while the water line on the exposed surface layer of the plywood panel sample moves up significantly. Water absorption can lead to swelling, cupping, delamination and other moisture-related damage.

3-HOUR WICKING DEMONSTRATION
Advantech® Flooring  Plywood Flooring

1. During the construction process as related to dimensional stability (thickness swell, linear expansion, edge swell, water absorption or surface quality) of the product.
2. All testing was conducted by an independent IAS-accredited testing facility in September 2008. This small sample testing was done in accordance with the applicable ASTM standards and test methods. OSB values are based on lowest, average and highest water absorption levels of four competitors. Plywood value is based on the lowest, average and highest water absorption levels of three competitors. Competitor testing samples correspond to single manufacturing locations from one production date.

* References to OSB and plywood are to traditional OSB and traditional plywood.
GET A SECURE FIT EVERY TIME.

With our precision engineered tongue and groove system, AdvanTech® subflooring panels help deliver a secure fit for dependable edge-to-edge support to prevent movement that can cause squeaks.

Plus, our patented fastening guide helps jobs get done faster with fewer hassles, errors and callbacks.

HOW ADVANTECH® SUBFLOORING HELPS YOU GET THE JOB DONE EFFICIENTLY

1. SELF-SPACING TONGUE AND GROOVE PROFILE
   The precisely engineered and durable profile helps ensure every panel fits together easily.

2. PATENTED FASTENING GUIDE
   Printed fastening guides on every panel help improve accuracy and speed during installation.

3. LIES FLAT AND INSTALLS EASILY
   Advanced quality controls and an innovative manufacturing process help ensure every panel goes down with ease.
DURABILITY UNDER EVERY FLOOR.

HARDWOODS OVER ADVANTECH® SUBFLOORING
The unique combination of high wood density and advanced resins helps hold fasteners in place and keep hardwood flooring flat and quiet.

CARPET OVER ADVANTECH SUBFLOORING
A fully sanded surface and precision tongue and groove profile help eliminate visible seams while keeping tack strips firmly in place.

TILE AND STONE OVER ADVANTECH SUBFLOORING
Featuring superb strength and stiffness and long-lasting durability, AdvanTech® subfloors help preserve the structural integrity of natural stone and reduce the risk of cracked tile.

GYPSUM CONCRETE OVER ADVANTECH SUBFLOORING
An excellent substrate for heavy traffic areas, AdvanTech® panels provide a durable, strong base ideal for gypsum concrete underlayment assemblies.

FLOORING MILL SPECIFICATIONS

<table>
<thead>
<tr>
<th>MILL</th>
<th>PANEL THICKNESS (IN)</th>
<th>APPROX. WEIGHT PER PANEL</th>
<th>PANELS PER UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easton, ME</td>
<td>19/32</td>
<td>64 lbs.</td>
<td>55 pcs.</td>
</tr>
<tr>
<td></td>
<td>23/32</td>
<td>72 lbs.</td>
<td>45 pcs.</td>
</tr>
<tr>
<td>Commerce, GA</td>
<td>23/32</td>
<td>76 lbs.</td>
<td>45 pcs.</td>
</tr>
<tr>
<td>Crystal Hill, VA</td>
<td>19/32</td>
<td>68 lbs.</td>
<td>55 pcs.</td>
</tr>
<tr>
<td></td>
<td>23/32</td>
<td>78 lbs.</td>
<td>45 pcs.</td>
</tr>
<tr>
<td></td>
<td>1 1-1/8</td>
<td>110 lbs.</td>
<td>45 pcs.</td>
</tr>
<tr>
<td></td>
<td>1-1/8</td>
<td>120 lbs.</td>
<td>35 pcs.</td>
</tr>
<tr>
<td>Broken Bow, OK</td>
<td>23/32</td>
<td>85 lbs.</td>
<td>45 pcs.</td>
</tr>
<tr>
<td></td>
<td>7/8</td>
<td>103 lbs.</td>
<td>45 pcs.</td>
</tr>
<tr>
<td></td>
<td>1-1/8</td>
<td>123 lbs.</td>
<td>30 pcs.</td>
</tr>
<tr>
<td>Spring City, TN</td>
<td>23/32</td>
<td>86 lbs.</td>
<td>45 pcs.</td>
</tr>
</tbody>
</table>

1. Estimated panel weight. Actual weight may vary by mill.

GENERAL INFORMATION
- Square Edge Panel Size: 4’ x 8’
- Tongue and Groove Panel Size: 4’ x 8’
  (Actual face dimensions for tongue and groove panel are approximately 47-1/2” x 95-7/8”)
- Edge: Tongue and groove
With a quick and easy application, AdvanTech™ subfloor adhesive delivers a heavy-duty polyurethane bond that exceeds industry performance standards, helping eliminate floor squeaks.

A unique foam-to-gel formula, AdvanTech subfloor adhesive can be applied on wet or frozen wood\(^1\). And when you combine it with the moisture resistance, strength and fastener-holding power of AdvanTech® subfloor panels, you get a subfloor assembly backed by the industry’s only Squeak-Free Guarantee™\(^2\).

2. Squeak-Free Guarantee for AdvanTech subfloor assembly at joist connection: Limitations and restrictions apply. Must use AdvanTech subfloor panels with I-joists or trusses and deformed fasteners with AdvanTech subfloor adhesive. Not applicable over dimensional lumber framing, non-wood based framing (including light gauge metal) or with other subfloor panels. Applies only to one- and two-family dwellings, townhomes and structures permitted under the IRC or governing residential code. See SqueakFreeGuarantee.com for complete details.

3. Coverage: One 24 oz. can of AdvanTech subfloor adhesive yields approximately 400 linear feet of gel adhesive at 1/2” bead compared to applying a 28 oz. cartridge adhesive at 3/8” bead yielding approximately 38 linear feet. Coverage will vary based on bead size and weather conditions.


---

**VERSATILE APPLICATION STRENGTH**

<table>
<thead>
<tr>
<th>TECHNICAL DATA</th>
<th>SHELF LIFE</th>
<th>18 MONTHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPEN TIME</td>
<td>20 MINUTES</td>
<td></td>
</tr>
<tr>
<td>FULLY CURED</td>
<td>24 HOURS</td>
<td></td>
</tr>
<tr>
<td>YIELD AT 1/2” BEAD SIZE</td>
<td>400 LINEAR FEET</td>
<td></td>
</tr>
<tr>
<td>APPL. TEMPERATURE RANGE</td>
<td>20°F – 105°F</td>
<td></td>
</tr>
<tr>
<td>VOC CONTENT</td>
<td>&lt;15 W/W %</td>
<td></td>
</tr>
<tr>
<td>VOC CONTENT (CALIFORNIA)</td>
<td>&lt;165 g/L</td>
<td></td>
</tr>
<tr>
<td>VOC COMPLIANT</td>
<td>YES</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VERSATILE APPLICATION STRENGTH</th>
<th>ASTM D3498</th>
<th>PASS CRITERIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHEAR STRENGTH — DRY LUMBER</td>
<td>&gt; 500 PSI (REQUIREMENT &gt; 150)</td>
<td></td>
</tr>
<tr>
<td>SHEAR STRENGTH — WET LUMBER</td>
<td>&gt; 300 PSI — DOUGLAS FIR (REQ &gt; 150); &gt; 400 PSI — SOUTHERN PINE (REQ &gt; 150)</td>
<td></td>
</tr>
<tr>
<td>SHEAR STRENGTH — FROZEN LUMBER</td>
<td>&gt; 300 PSI — DOUGLAS FIR (REQ &gt; 100); &gt; 500 PSI — SOUTHERN PINE (REQ &gt; 100)</td>
<td></td>
</tr>
<tr>
<td>MOISTURE RESISTANCE</td>
<td>&gt; 500 PSI (REQ &gt; 150)</td>
<td></td>
</tr>
<tr>
<td>GAP</td>
<td>&gt; 400 PSI (REQ &gt; 100)</td>
<td></td>
</tr>
<tr>
<td>OXIDATION RESISTANCE</td>
<td>PASS</td>
<td></td>
</tr>
</tbody>
</table>
A DURABLE HOME STARTS WITH A STRONG, MOISTURE-RESISTANT BASE

Oriented strand board (OSB) and traditional plywood* simply can’t compare. What’s inside AdvanTech® sheathing panels makes all the difference: moisture-resistant resin technology resists the damaging effects of weather during construction and over time and is Structural 1 rated to provide excellent shear resistance and added strength to your walls and roofs. Protect your build with the lasting durability of AdvanTech sheathing.
DEFENDS AGAINST MOISTURE
Designed for longer exposure during construction, AdvanTech® sheathing is backed by a 500-day weather resistance guarantee. Unlike traditional OSB and plywood, it is engineered to resist swelling, cupping and delamination.

BACKED BY A LIFETIME LIMITED WARRANTY
AdvanTech sheathing is backed by the best warranty in the business – a lifetime limited warranty – for added assurance both during and after construction.

STRENGTH, STIFFNESS AND FASTENER-HOLDING POWER
Unlike traditional OSB or plywood, AdvanTech® panels are built to a higher standard with an Evaluation Service Report documenting above-code performance for strength, stiffness and fastener-holding power. So you can count on panels to install flat. These values are documented in ESR-1785. Visit icc-es.org for the full report.

STRUCTURAL 1 RATED
Provides up to 10 percent more allowable shear strength than rated sheathing with the same thickness and nailing pattern. Designed for greater resistance to wind and seismic loads in roof applications. Ideal for regions with heavy wind, rain, snow and ice.

1. Limitations and restrictions apply. Visit HuberWood.com/warranties for details.
2. AdvanTech® roof and wall sheathing is substantiated by third party evaluation services for published design values for strength, stiffness and fastener holding power above PS-2 minimums. ESR-1785 documents design values for AdvanTech® panels above commodity-grade panels. Please see ESR-1785 for published design values for AdvanTech® panels. Only 23/32 thickness AdvanTech® flooring, and 1/2 and 5/8 thicknesses of AdvanTech® roof and wall sheathing are included in ICC-ES report ESR-1785.
3. ESR-1785 is an Evaluation Services Report (ESR) issued by the International Code Council Evaluation Service. Evaluation reports from ICC Evaluation Service are frequently used by code officials to verify that new and innovative building products comply with code requirements.
* References to OSB and plywood are to traditional OSB and traditional plywood.
**DESIGNED TO A HIGHER STANDARD.**

---

### ADVANTECH® ROOF AND WALL SHEATHING

<table>
<thead>
<tr>
<th>PERFORMANCE CATEGORY</th>
<th>PANEL SIZE</th>
<th>PS-2 SPAN RATING</th>
<th>CODE EVALUATION REPORT</th>
<th>EDGE PROFILE</th>
<th>PANEL GRADE</th>
<th>APPROX. WEIGHT PER PANEL</th>
<th>PANELS PER UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2</td>
<td>4' x 8'</td>
<td>32/16</td>
<td>ESR-1785</td>
<td>SE</td>
<td>Structural 1</td>
<td>54 lbs.</td>
<td>70 pcs.</td>
</tr>
<tr>
<td>5/8</td>
<td>4' x 8'</td>
<td>40/20</td>
<td></td>
<td>T&amp;G, SE</td>
<td></td>
<td>67 lbs.</td>
<td>55 pcs.</td>
</tr>
<tr>
<td>23/32</td>
<td>4' x 8'</td>
<td>48/24</td>
<td></td>
<td>SE</td>
<td>78 lbs.</td>
<td>45 pcs.</td>
<td></td>
</tr>
</tbody>
</table>

2. Allowable nail withdrawal values were calculated in accordance with the 2018 National Design Specification for Wood Construction using a 0.131-inch diameter nail for flooring and a 0.148-inch diameter nail for roof and wall sheathing calculations. American Wood Council ASD/LRFD.
3. Net face width is 47.1/2" on tongue and groove panels.
4. Estimated panel weight. Actual weight may vary by mill.

* References to OSB and plywood are to traditional OSB and traditional plywood.
A SOLID CHOICE FOR A VARIETY OF FLOOR, ROOF AND WALL APPLICATIONS.

**Shear Wall Designs with Advantech® Sheathing**
Structural 1 rating delivers greater shear resistance to wind and seismic loads.

**Tile Roofs Above Advantech Sheathing**
Strength, durability and fastener-holding power provide an exceptional base for heavy roofing materials.

**Shingles Above Advantech Sheathing**
Strong moisture-resistant panels install flat and stay flat to help eliminate visible seams so exterior materials look their best.

**Double-Layer Floating Subfloors Using Advantech® Panels**
Dimensional stability and consistent quality provides a flat, stable base to keep hardwoods firmly in place.

**Flat Roof Application Using Advantech Panels**
Combined stiffness and moisture resistance defend against edge swell helping reduce low spots that pond water.

---

**Structural 1 Sheathing Mill Specifications**

<table>
<thead>
<tr>
<th>MILL</th>
<th>Performance Category (IN)</th>
<th>Approx. Weight Per Panel</th>
<th>Panels Per Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easton, ME</td>
<td>1/2 5/8</td>
<td>55 lbs. 66 lbs.</td>
<td>70 pcs. 55 pcs.</td>
</tr>
<tr>
<td>Commerce, GA</td>
<td>1/2 5/8</td>
<td>55 lbs. 66 lbs.</td>
<td>70 pcs. 55 pcs.</td>
</tr>
<tr>
<td>Crystal Hill, VA</td>
<td>1/2 5/8 23/32</td>
<td>55 lbs. 70 lbs. 78 lbs.</td>
<td>70 pcs. 55 pcs. 45 pcs.</td>
</tr>
<tr>
<td>Broken Bow, OK</td>
<td>1/2 5/8</td>
<td>57 lbs. 73 lbs.</td>
<td>70 pcs. 55 pcs.</td>
</tr>
</tbody>
</table>

5. Estimated panel weight. Actual weight may vary by mill.
5/8" sheathing is available in tongue and groove and square edge.
Thanks to our relentless passion for creating better building solutions, ZIP System® building enclosures provide built-in water, air and thermal control along with streamlined installation. As a result, our family of structural and sealing products makes it easy to meet your highest standards, satisfy new energy codes and just plain build better homes.

ZIPRevolution.com

1. BUILDER magazine's 2015-2019 Brand Use Studies; Wall Sheathing category.
2. Limitations and restrictions apply. Visit HuberWood.com/warranties to learn more.
3. Structural 1-rated panels only available from certain mills. Contact Huber for mill-by-mill availability.
SPEED AND EASE OF INSTALLATION
ZIP System® sheathing and tape is easier to install than traditional housewrap and felt, helping save money on labor costs and improve project cycle times.

BUILT-IN WATER-RESISTIVE BARRIER
By achieving optimal levels of permeability and drainage, ZIP System sheathing and tape protects against water intrusion, while still allowing the panels to properly dry.

CONTINUOUS AIR BARRIER
ZIP System sheathing and tape forms a tight barrier against unwanted air leakage, for a durable building envelope that helps promote energy efficiency and increase interior comfort.

STRUCTURAL DURABILITY
ZIP System® panels are available with a Structural 1 rating, so you can get the ultimate shear strength to meet seismic and high-wind zone requirements.

ENHANCED THERMAL RESISTANCE
The all-in-one ZIP System® R-sheathing panel with a built-in layer of insulation helps add R-value to exterior sheathing with a single easy-to-install panel.

PEACE OF MIND
The ZIP System® product line is backed with a 30-year limited warranty.
ZIP System® wall sheathing is a structural sheathing panel providing integrated air, water and vapor management, which can eliminate the need for housewrap.
ZIP System® sheathing and tape protects against water intrusion with a built-in water-resistive barrier (WRB) that can eliminate the need for housewrap. The integrated water-resistive barrier on the panel eliminates the risk of water becoming trapped between the protective layer and the sheathing panel. With an optimal permeance level (12-16 perms), the built-in WRB layer allows panels to properly dry-out. Plus, ZIP System sheathing and tape achieves greater than 90 percent drainage efficiency when tested in accordance with ASTM E-2273.

To create a tight enclosure, ZIP System® sheathing panel seams are sealed with ZIP System™ tape to form a continuous rigid air barrier. ZIP System sheathing and tape integrates multiple control layers to manage air leakage into one easy-to-install system. This streamlined enclosure solution has helped transform the way many high-performance teams build Passive House-, Energy Star- or LEED-certified structures.
ZIP IT TIGHT™ WITH A VARIETY OF CLADDING MATERIALS

ZIP System® sheathing and tape provides an excellent substrate for wall claddings including brick, siding, stucco or cedar shingles. The panels install flat and stay flat, ensuring a finished wall that looks as good as it performs.

BIM materials available at HuberWood.com.

PROTECT YOUR BUILD FROM THE ELEMENTS

1 | Integrated water-resistant barrier
2 | Continuous rigid air barrier
3 | Self-spacing edge profile
4 | Can eliminate the need for housewrap

Although all projects are unique, experience has shown that 1 roll of 3-3/4" ZIP System™ flashing tape is needed for approximately 7 sheets of 4' x 8' ZIP System sheathing. This should only be considered a general “rule of thumb” when ordering materials with the understanding that some jobs may require more or less depending on the specific project.
Get all the benefits of engineered wood long length wall sheathing, with the built-in moisture and air leakage protection of ZIP System® sheathing and tape technology. ZIP System long length sheathing and wind zone panels provide the flexibility of a longer panel with the ability to eliminate building wrap.
ZIP SYSTEM® LONG LENGTH SHEATHING AND WIND ZONE PANELS

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>PERFORMANCE CATEGORY</th>
<th>PANEL SIZE</th>
<th>PANEL COUNT</th>
<th>PS-2 SPAN RATING</th>
<th>VAPOR TRANSMISSION OF WRB LAYER</th>
<th>AIR BARRIER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Length</td>
<td>7/16</td>
<td>4’ x 9’</td>
<td>70</td>
<td>Structural 1</td>
<td>ASTM E 2178</td>
<td>Structural 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4’ x 10’</td>
<td>60</td>
<td></td>
<td>&lt;0.02 L/(s·m²)</td>
<td>75 Pa</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4’ x 12”</td>
<td>52</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wind Zone</td>
<td>7/16</td>
<td>4’ x 8’ 1-1/8”</td>
<td>80</td>
<td>Structural 1</td>
<td>ASTM E 2357</td>
<td>Structural 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4’ x 9’ 1-1/8”</td>
<td>70</td>
<td></td>
<td>&lt;0.2 L/(s·m²)</td>
<td>75 Pa</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4’ x 10’ 1-1/8”</td>
<td>60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>4’ x 12’ 1-1/8”</td>
<td>52</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Available with minimum order quantity. Contact your Huber representative for more details.

2. Limitations and restrictions apply. Visit HuberWood.com/warranties to learn more.
3. 5/8" 9' and 10' panels available by special order.
ZIP System® R-sheathing is the simple all-in-one structural panel with built-in exterior insulation. Featuring integrated moisture, air and thermal protection, ZIP System R-sheathing completely reimagines traditional wall assemblies by streamlining exterior water, air and thermal management.

Available in R-3, R-6, R-9 and R-12 values and three lengths – 8ft, 9ft and 10ft – to suit all climate zones.

**LAYERS OF INNOVATION IN A SINGLE-PANEL SYSTEM**

1. **BUILT-IN EXTERIOR INSULATION**
   Designed to meet new energy codes, each panel features integrated continuous foam insulation to increase thermal performance and minimize thermal bridging.

2. **STRUCTURAL DURABILITY**
   An exterior engineered wood panel meets wall bracing requirements, contributes to shear wall designs and provides a nailable, flashable base for cladding, trim and windows.

3. **INTEGRATED WATER-RESISTIVE BARRIER**
   A built-in water-resistive barrier that can eliminate the need for housewrap and helps achieve a quick rough dry-in backed by a 180-day Exposure Guarantee and 30-year Limited Warranty.

4. **CONTINUOUS AIR BARRIER**
   Taped seams create a continuous air barrier that helps prevent air leakage and protects insulation R-value as part of an energy-efficient enclosure.
**1", 1-1/2", 2", 2-1/2" ZIP SYSTEM® R-SHEATHING**

<table>
<thead>
<tr>
<th>PANEL TYPE</th>
<th>TOTAL THICKNESS</th>
<th>PANEL SIZE</th>
<th>PANEL COUNT</th>
<th>R-VALUE</th>
<th>CODE EVALUATION REPORT</th>
<th>AIR BARRIER</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-3</td>
<td>1&quot;</td>
<td>4' x 8'</td>
<td>32</td>
<td>3.6</td>
<td>ESR 3373</td>
<td></td>
</tr>
<tr>
<td>R-6</td>
<td>1-1/2&quot;</td>
<td>4' x 9'</td>
<td>31</td>
<td>6.6</td>
<td>ER 482</td>
<td></td>
</tr>
<tr>
<td>R-9</td>
<td>2&quot;</td>
<td>4' x 10'</td>
<td>23</td>
<td>9.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R-12</td>
<td>2-1/2&quot;</td>
<td></td>
<td>18</td>
<td>12.6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FOAM PERFORMANCE**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>TYPICAL RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensional Stability</td>
<td>ASTM D 2126</td>
<td>&lt; 2%</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>ASTM D 1621</td>
<td>20 psi</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>ASTM C 209</td>
<td>&lt; 1%</td>
</tr>
<tr>
<td>Water Vapor Transmissin</td>
<td>ASTM D 2842</td>
<td>&lt; 3.5%</td>
</tr>
<tr>
<td>Density</td>
<td>ASTM D 1622</td>
<td>Nominal 2.0 pcf</td>
</tr>
<tr>
<td>Flame Spread</td>
<td>ASTM E 84</td>
<td>40-60</td>
</tr>
<tr>
<td>Smoke Developed</td>
<td>ASTM E 84</td>
<td>50-170</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D 1623</td>
<td>730 psf</td>
</tr>
<tr>
<td>Service Temperature</td>
<td></td>
<td>-40°F – 200°F</td>
</tr>
</tbody>
</table>

**ZIP SYSTEM® PERFORMANCE**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>TYPICAL RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Resistance of Coatings</td>
<td>ASTM D 2247</td>
<td>Passed</td>
</tr>
<tr>
<td>(for 14 days)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drainage Efficiency</td>
<td>ASTM E 2273</td>
<td>&gt; 90%</td>
</tr>
<tr>
<td>Water Vapor Transmission</td>
<td>ASTM E 96B</td>
<td>12-16 perms (overlay)</td>
</tr>
<tr>
<td>Water Penetration</td>
<td>ASTM E 331</td>
<td>Passed</td>
</tr>
<tr>
<td>Air Barrier Assembly</td>
<td>ASTM E 2357</td>
<td>0.037 L/(s ∙ m²)</td>
</tr>
<tr>
<td>Wind-Driven Rain</td>
<td>TAS-100</td>
<td>Passed 100mph</td>
</tr>
<tr>
<td>Accelerated Weathering</td>
<td>ASTM G 154</td>
<td>Passed</td>
</tr>
</tbody>
</table>

For SI: Inch = 25.4mm; 1 pound per foot (ppf) = 14.59 N/m.
1. Limitations and restrictions apply. Visit HuberWood.com/warranties for details.
2. Prescriptive bracing requirements under the 2018, 2015, 2012 and 2009 IRC.
3. Not approved for use as prescriptive wall bracing where wind design is required by R301.2.1.1.
4. Engineered shear wall requirements with Douglas Fir-Larch Framing under the 2015, 2012 and 2009 IBC.
5. For framing with other than Douglas Fir-Larch, the shear value must be multiplied by the Specific Gravity Adjustment Factor = [1 - (0.50 - SG)], where SG=Specific Gravity of the framing lumber in accordance with the ANSI/AWC NDS. This adjustment factor must not be greater than 1.
6. Fasteners must be common nails or equivalent, or staples, of a type generally used to attach wood sheathing.
7. The shearwalls must have a maximum height-to-width aspect ratio of 2:1.
8. ZIP System R-sheathing used as the lateral resistance system in seismic zones D₀, D₁, D₂ and E should be designed in accordance to ER-482.
9. This panel and fastening configuration is only applicable to the prescriptive bracing requirements under the 2015 IRC.

**FASTENING REQUIREMENTS FOR PRESCRIPTIVE BRACING²,³ AND ENGINEERED SHEAR WALL DESIGN⁴**

<table>
<thead>
<tr>
<th>ZIP SYSTEM® R-SHEATHING TYPE</th>
<th>FRAMING</th>
<th>FASTENERS</th>
<th>SHEAR VALUES⁵</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NOMINAL STUD SPACING (MIN.)</td>
<td>MAXIMUM STUD SPACING (IN.)</td>
<td>FASTENER SPECIFICATIONS</td>
</tr>
<tr>
<td>R-3</td>
<td>2-by-4</td>
<td>24</td>
<td>0.131&quot; shank nails</td>
</tr>
<tr>
<td>R-3</td>
<td>2-by-4</td>
<td>24</td>
<td>0.131&quot; shank nails</td>
</tr>
<tr>
<td>R-3</td>
<td>2-by-4</td>
<td>16</td>
<td>16ga staples, 7/16&quot; crown, 2&quot; length</td>
</tr>
<tr>
<td>R-6</td>
<td>2-by-4</td>
<td>24</td>
<td>0.131&quot; shank nails</td>
</tr>
<tr>
<td>R-6</td>
<td>2-by-4</td>
<td>24</td>
<td>15ga staples, 7/16&quot; crown, 2.5&quot; length</td>
</tr>
<tr>
<td>R-6</td>
<td>2-by-4</td>
<td>24</td>
<td>0.131&quot; shank nails</td>
</tr>
<tr>
<td>R-9</td>
<td>2-by-4</td>
<td>24</td>
<td>0.131&quot; shank nails</td>
</tr>
<tr>
<td>R-12</td>
<td>2-by-4</td>
<td>24</td>
<td>0.131&quot; shank nails</td>
</tr>
</tbody>
</table>

For SI: Inch = 25.4mm; 1 pound per foot (ppf) = 14.59 N/m.
1. Limitations and restrictions apply. Visit HuberWood.com/warranties for details.
2. Prescriptive bracing requirements under the 2018, 2015, 2012 and 2009 IRC.
3. Not approved for use as prescriptive wall bracing where wind design is required by R301.2.1.1.
4. Engineered shear wall requirements with Douglas Fir-Larch Framing under the 2015, 2012 and 2009 IBC.
5. For framing with other than Douglas Fir-Larch, the shear value must be multiplied by the Specific Gravity Adjustment Factor = [1 - (0.50 - SG)], where SG=Specific Gravity of the framing lumber in accordance with the ANSI/AWC NDS. This adjustment factor must not be greater than 1.
6. Fasteners must be common nails or equivalent, or staples, of a type generally used to attach wood sheathing.
7. The shearwalls must have a maximum height-to-width aspect ratio of 2:1.
8. ZIP System R-sheathing used as the lateral resistance system in seismic zones D₀, D₁, D₂ and E should be designed in accordance to ER-482.
9. This panel and fastening configuration is only applicable to the prescriptive bracing requirements under the 2015 IRC.
ZIP System® sheathing and tape delivers a sealed roof deck and integrated underlayment built into every panel. Build with confidence knowing your roof has a continuous water-resistive barrier, and capture the financial and scheduling benefits of immediate rough dry-in with ZIP System™ flashing tape.

**PROTECTION AGAINST WATER INTRUSION**
The combination of a built-in water-resistive barrier and taped panel seams protects against water intrusion and eliminates the need for traditional felt.

**STRUCTURAL DURABILITY**
High-strength engineered wood panels with Structural 1 rating provide strength and stiffness for a dependable roof deck.¹

**QUICKER ROUGH DRY-IN**
Install the panels and tape the seams to achieve a quicker rough dry-in, allowing mechanicals and other trades to start sooner.

**ELIMINATE COSTLY RE-WORK**
With a built-in water-resistant barrier, there’s no risk of water getting behind your protective outer layer and damaging sheathing panels, which can cause costly delays for re-work.

**PEACE OF MIND**
The ZIP System® product line is backed with a 180-day Exposure Guarantee and 30-year limited warranty.²

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1. Sheathing panels stamped with Structural 1 panel grade are required to meet or exceed racking shear and cross-panel strength and stiffness listed within the Voluntary Product Standard (PS2-10) for Wood-Based Structural-Use Panels.
2. Limitations and restrictions apply. Visit HuberWood.com/warranties for details.
3. H-clips are required in roof applications for ZIP System 7/16” panels where roof framing is greater than 16” on center.
4. Although all projects are unique, experience has shown that 1 roll of 3-3/4” ZIP System™ flashing tape is needed for approximately 7 sheets of 4’ x 8’ ZIP System® sheathing. This should only be considered a general “rule of thumb” when ordering materials with the understanding that some jobs may require more or less depending on the specific project.
### COMPATIBLE WITH ANY ROOF COVERING & UNDERLAYMENT

ZIP System® sheathing and tape provides an excellent roof underlayment to receive many finished roof coverings including metal, tile and asphalt shingles, fiberglass shingles or cedar shingles. The panels lie flat and stay flat, ensuring a finished roof that looks as good as it performs.

BIM materials available at HuberWood.com.

---

### WATER ABSORPTION

<table>
<thead>
<tr>
<th>Panel Size</th>
<th>Water Absorption %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; OSB</td>
<td>50.5</td>
</tr>
<tr>
<td>1/2&quot; ZIP System® panel</td>
<td>11.3</td>
</tr>
<tr>
<td>19/32&quot; OSB</td>
<td>38.8</td>
</tr>
<tr>
<td>5/8&quot; ZIP System® panel</td>
<td>12.0</td>
</tr>
</tbody>
</table>

### EDGE SWELL

<table>
<thead>
<tr>
<th>Panel Size</th>
<th>Edge Swell %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; OSB</td>
<td>38.7</td>
</tr>
<tr>
<td>1/2&quot; ZIP System® panel</td>
<td>17.1</td>
</tr>
<tr>
<td>19/32&quot; OSB</td>
<td>31.1</td>
</tr>
<tr>
<td>5/8&quot; ZIP System® panel</td>
<td>15.2</td>
</tr>
</tbody>
</table>

- References to OSB are to PS-2 grade-stamped commodity OSB.
- 24 Hour soak.

Test results are based on a sample size of 30 large panel specimens for flexure, water properties and nail withdrawal. All test samples were manufactured from southern yellow pine. All samples (including 1/2" and 5/8" ZIP System panels) were randomly selected from Georgia-based retail lumberyards in 2019. It should be noted that commodity OSB panel attributes can vary depending on manufacturing location and wood species. All testing was conducted in accordance with ASTM D1037. Products were tested by a third-party laboratory that specializes in wood product evaluation.

---

### 7/16", 1/2" AND 5/8" ZIP SYSTEM® SHEATHING

<table>
<thead>
<tr>
<th>PERFORMANCE CATEGORY</th>
<th>PANEL SIZE</th>
<th>PANEL COUNT</th>
<th>PS-2 SPAN RATING</th>
<th>VAPOR TRANSMISSION OF WRB LAYER</th>
<th>AIR BARRIER</th>
</tr>
</thead>
</table>
| 7/16                 | 4' x 8'    | 80          | 24/16 Structural 1¹ | 12-16 perm ASTM E 96 Procedure B | ASTM E 2178  
<0.02 L/(s·m²)  
@ 75 Pa |
| 1/2                  | 4' x 8'    | 70          | 32/16 Structural 1 |                                  | ASTM E 2357  
<0.2 L/(s·m²)  
@ 75 Pa |
| 5/8                  | 4' x 8'    | 55          | 40/20 Structural 1 |                                  |             |

¹ References to OSB are to PS-2 grade-stamped commodity OSB.

---

Test results are based on a sample size of 30 large panel specimens for flexure, water properties and nail withdrawal. All test samples were manufactured from southern yellow pine. All samples (including 1/2" and 5/8" ZIP System panels) were randomly selected from Georgia-based retail lumberyards in 2019. It should be noted that commodity OSB panel attributes can vary depending on manufacturing location and wood species. All testing was conducted in accordance with ASTM D1037. Products were tested by a third-party laboratory that specializes in wood product evaluation.

---

### COMPATIBLE WITH ANY ROOF COVERING & UNDERLAYMENT

ZIP System® sheathing and tape provides an excellent roof underlayment to receive many finished roof coverings including metal, tile and asphalt shingles, fiberglass shingles or cedar shingles. The panels lie flat and stay flat, ensuring a finished roof that looks as good as it performs.

BIM materials available at HuberWood.com.
For easy-to-achieve, continuous air and water barriers in roof and wall assemblies, no matter what the turn, twist, curve or corner, seal it in a flash with ZIP System™ sealing solutions.
An integral part of ZIP System® roof and wall assemblies, ZIP System™ flashing tapes feature pressure-activated advanced acrylic adhesive. When used with ZIP System® panels, ZIP System flashing tapes help form a strong, weather-resistant, continuous barrier backed by a 30-year Limited Warranty and 180-day Exposure Guarantee.¹

1. SLIP RESISTANT
   - Top layer provides slip-resistant tack during installation for safety

2. WEATHER PROTECTION
   - Thick inner layer offers dimensional stability
   - Carbon black for “sunscreen” that protects other layers
   - Antioxidants for durability

3. LONG-TERM DURABILITY
   - Bonding layer specially formulated to bond with the adhesive for durability

4. ADVANCED ADHESION
   - Consistent adhesion even under harsh weather conditions
   - Backed by 30-year Limited Warranty and 180-day Exposure Guarantee, when used with ZIP System® sheathing
   - Resists heat and UV light and creates permanent bond strength

---

**ZIP SYSTEM™ FLASHING TAPE**

<table>
<thead>
<tr>
<th>NOMINAL WIDTH</th>
<th>ROLL LENGTH</th>
<th>TAPE THICKNESS</th>
<th>ADHESIVE TECHNOLOGY</th>
<th>CODE EVALUATION REPORT</th>
<th>INSTALLATION TEMPERATURE RANGE</th>
<th>EXPOSURE</th>
<th>TENSILE STRENGTH</th>
<th>ELONGATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-3/4&quot;</td>
<td>30'</td>
<td>12 mils</td>
<td>Acrylic</td>
<td>ESR 2227 AAMA 711: Pass</td>
<td>0°F – 120°F</td>
<td>180 Days</td>
<td>938 psi</td>
<td>400–800%</td>
</tr>
<tr>
<td>6&quot;</td>
<td>75'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9&quot;</td>
<td>50'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Limitations and restrictions apply. Visit HuberWood.com/warranties to learn more.
ZIP System™ stretch tape easily stretches to fit sills, curves and corners with a single piece without having to piece tape segments together. Made of a high-performance composite acrylic, the tape conforms to challenging applications and locks out moisture even over mismatched surfaces.

**STRETCHES TO FIT**
Easily stretches to conform to corners and curves.

**EXEMPLARY MOISTURE BARRIER**
Provides a strong, tight bond for an effective ZIP IT TIGHT™ seal, even around fasteners.

**LABOR SAVING**
Eliminates the need to piece tape segments together in challenging applications.

**REPOSITIONABLE**
Can be pulled up and reapplied for hassle-free installation.

**VERSATILE**
Ideal for your toughest applications including curved windows and wall penetrations.

### ZIP SYSTEM™ STRETCH TAPE

<table>
<thead>
<tr>
<th>NOMINAL WIDTH</th>
<th>ROLL LENGTH</th>
<th>TAPE THICKNESS</th>
<th>CODE EVALUATION REPORT</th>
<th>INSTALLATION TEMPERATURE RANGE</th>
<th>EXPOSURE</th>
<th>TENSILE STRENGTH</th>
<th>ELONGATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>20'</td>
<td>42 mils</td>
<td>ER-365 AAMA 711: Pass</td>
<td>0°F – 120°F</td>
<td>180 Days</td>
<td>225 psi</td>
<td>800–1200%</td>
</tr>
<tr>
<td>6&quot;</td>
<td>20'</td>
<td>42 mils</td>
<td>ER-365 AAMA 711: Pass</td>
<td>0°F – 120°F</td>
<td>180 Days</td>
<td>225 psi</td>
<td>800–1200%</td>
</tr>
<tr>
<td>10'</td>
<td>20'</td>
<td>42 mils</td>
<td>ER-365 AAMA 711: Pass</td>
<td>0°F – 120°F</td>
<td>180 Days</td>
<td>225 psi</td>
<td>800–1200%</td>
</tr>
</tbody>
</table>
ZIP System™ liquid flash is a fluid-applied membrane that easily flows into recessed windows and around penetrations and other hard-to-flash areas, in addition to sealing transitions from wall sheathing to foundations. Plus, the moisture-curing formula helps complete exteriors in the toughest conditions.

**OPTIMAL VISCOSITY**
Flows easily to seal irregular shapes and surfaces.

**QUICK CURE TIME**
Water-resistive and tack-free in as quick as 20–40 minutes, depending on conditions. Target thickness achieved when substrate is no longer visible.

**WEATHER PROTECTION**
Backed by 30-year Limited Warranty and 180-day Exposure Guarantee, when used with ZIP System® sheathing.

**PROPER ADHESION TO A WIDE RANGE OF SURFACES**
Bonds to wood, concrete, masonry, architectural metals, glass, PVC, FRP, EPDM and most other building materials.

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<table>
<thead>
<tr>
<th>ZIP SYSTEM™ LIQUID FLASH</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PACKAGING OPTIONS</strong></td>
<td><strong>TYPICAL COVERAGE: WINDOW SILL FLASHING (2X4 FRAMING)</strong></td>
</tr>
<tr>
<td>29 oz. Cartridge</td>
<td>29 If (approx. nine 3’0” window sills)</td>
</tr>
<tr>
<td>20 oz. Sausage</td>
<td>20 If (approx. six 3’0” window sills)</td>
</tr>
<tr>
<td>10.3 oz. Cartridge</td>
<td>10 If (approx. three 3’0” window sills)</td>
</tr>
</tbody>
</table>

1. Limitations and restrictions apply. Visit HuberWood.com/warranties to learn more.
3. At 70°F and 50 percent relative humidity. Low temperatures and low relative humidity slow dry time; high temperatures and high relative humidity accelerate dry time.
“Z” impressions are not required for proper installation and warranty coverage.

Tests conducted were internal tests to Huber Engineered Woods and are non-standardized. Such testing does not conform to ASTM or ISO standards.

Take the guesswork out of seam sealing with the ZIP System™ tape roller. Designed to give you a visual indicator where the tape has been rolled, the ZIP System tape roller makes seam sealing simple by leaving a “Z” impression on the tape, for an easy quality control check. Plus, the split-neck roller design allows for easy access in tough-to-reach spots such as inside corners and around windows and doors.

**LONG-REACH HANDLE**
Easy rolling for hard-to-reach spots.

**FUNCTIONAL DESIGN**
Designed for optimal pressure application.

**EASY ATTACHMENT**
Connect extension pole for longer reach.

**“Z” IMPRESSION**
Leaves “Z” impression where tape has been rolled.

**WIDE ROLLER HEAD**
Cover more area with each application.

### ZIP SYSTEM™ TAPE ROLLER

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>PROPERTY EVALUATED</th>
<th>METHOD</th>
<th>TEST CRITERIA</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roller Performance</td>
<td>Peel Adhesion</td>
<td>ASTM D 3330</td>
<td>&gt; 1.5 lbf/in</td>
<td>Pass</td>
</tr>
<tr>
<td>Marking Durability</td>
<td>Accelerated Weathering</td>
<td>ASTM G 154</td>
<td>Markings Still Visible</td>
<td>Pass</td>
</tr>
<tr>
<td></td>
<td>Outdoor Exposure</td>
<td>6 Months of Exposure</td>
<td>Markings Still Visible</td>
<td>Pass</td>
</tr>
</tbody>
</table>

1. “Z” impressions are not required for proper installation and warranty coverage.
2. Tests conducted were internal tests to Huber Engineered Woods and are non-standardized. Such testing does not conform to ASTM or ISO standards.
Access step-by-step instructions and how-to videos on YouTube. Subscribe now at YouTube.com/ZIPSистемSheathing
ENVIRONMENTAL PRODUCT DECLARATION.

ZIP System® sheathing is the only combination structural panel of its kind to achieve a cradle-to-grave environmental product declaration.

AdvanTech® sheathing is the first premium wood structural panel with code-recognized design values that exceed traditional PS-2 panels to release a cradle-to-grave EPD.
• AdvanTech® flooring and ZIP System® sheathing and tape manufacturing processes are greater than 99 percent landfill-free. Just 2 percent of waste is produced, with most of it being recycled.

• Wood, which is 100 percent biodegradable, is the main component of Huber Engineered Woods products, comprising more than 90 percent of each product.

• Huber Engineered Woods utilizes manufacturing plants located in Commerce, GA; Broken Bow, OK; Crystal Hill, VA; and Easton, ME, reducing the distance materials travel to and from the plants.

• ZIP System sheathing and tape and AdvanTech flooring require no energy or water during the use stage and require no maintenance, repair, replacement or refurbishment during their service lives.

• ZIP System® roof and wall sheathing provides air sealing potential for buildings. ZIP System® R-sheathing provides air sealing and thermal resistance.

• All ZIP System® sheathing products include built-in water-resistant barriers to prevent moisture leakage in homes.

• ZIP System® R-6 R-sheathing requires just 10–16 months of service to make up for its global warming impacts, thanks to its built-in continuous foam insulation.

• In a 30-day exposure test, AdvanTech flooring had less water absorption – or less moisture content – on average than the competitive OSB and plywood panels tested. AdvanTech 23/32” flooring did not drop below the PS-2 industry standard for subfloor stiffness when tested.

To get the whole Huber Engineered Woods sustainability story visit HuberWood.com/About-Huber/Environmental/Sustainable-Practices.
THE START TO A GREAT BUILD BEGINS WITH HUBER ENGINEERED WOODS.