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ICC-ES Evaluation Report

ESR-2227

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Reissued 02/2018
This report is subject to renewal 02/2020.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
SECTION: 07 65 00—FLEXIBLE FLASHING

REPORT HOLDER:

HUBER ENGINEERED WOODS, LLC

EVALUATION SUBJECT:

ZIP SYSTEM™ FLEXIBLE FLASHING TAPE



“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”



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ESR-2227

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A Subsidiary of the International Code Council®

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 65 00—Flexible Flashing

REPORT HOLDER:

HUBER ENGINEERED WOODS, LLC

EVALUATION SUBJECT:

ZIP SYSTEM™ FLEXIBLE FLASHING TAPE

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2018, 2015, 2012 and 2009 *International Building Code*® (IBC)
- 2018, 2015, 2012 and 2009 *International Residential Code*® (IRC)

For evaluation for compliance with codes adopted by the Los Angeles Department of Building and Safety (LADBS), see [ESR-2227 LABC and LARC Supplement](#).

Property evaluated:

Water resistance

2.0 USES

ZIP System™ Flexible Flashing Tape is a pressure-sensitive, self-adhering, cold-applied tape used as flashing around windows, frames, door frames, wall penetrations and roof penetrations described in this report when used with the materials and substrates noted in Section 5.3. The use of the tape as a flashing material is recognized for use on Type V construction under the IBC and non-fire-resistance-rated construction recognized under the IBC and IRC. The tape is recognized as a self-adhered membrane when used as flashing material in accordance with 2018 and 2015 IRC Section R703.4 [2012 and 2009 IRC Section R703.8].

3.0 DESCRIPTION

ZIP System™ Flexible Flashing Tape is a pressure-sensitive tape consisting of a polyolefin film with an acrylic adhesive which complies with AAMA 711. The tape is nominally 0.012 inch thick [0.30 mm (12 mils)] and is produced in rolls of various widths, [minimum 3³/₄ inches (95 mm)] and lengths.

4.0 INSTALLATION

Installation of ZIP System™ Flexible Flashing Tape must comply with this report and the manufacturer's published

installation instructions. The installation instructions must be available at the jobsite at all times during installation.

The surfaces to which the tapes are applied must be dry and free of frost, dust and dirt, loose nails, and other protrusions. Contact of the adhesive surface with foreign matter that may affect the bond to the substrate must be avoided. The ambient air and substrate temperatures must be at or above 20°F (-6.7°C) at the time of application.

The tape is applied around penetrations in the manner described in the tape manufacturer's, as well as the window or door manufacturer's, published installation instructions, as applicable. End joints must be overlapped the minimum distance specified in the manufacturer's published installation instructions. The tape is cut to the desired length and firmly pressed into the entire length of the opening and smoothed out until it conforms tightly to the frame opening. Wrinkles in the ZIP System™ Flexible Flashing Tape are acceptable unless they create a leak path. Application should be in accordance with the manufacturer's installation instructions.

5.0 CONDITIONS OF USE

The Huber Engineered Woods' ZIP System™ Flexible Flashing Tape described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1** Installation must comply with this report and the manufacturer's published installation instructions. In the event of conflict between this report and the installation instructions, this report governs.
- 5.2** The ZIP System™ Flexible Flashing Tape must not be left exposed to the weather or installed where it is subject to permanent direct weather exposure.
- 5.3** Installation of the tape as a flashing material is limited to use with OSB, wood, steel, aluminum and vinyl-framed flanged windows and door frames, transitions to rigid flashings and the proprietary wall and roof sheathing substrates recognized in ICC-ES evaluation reports [ESR-1473](#) and [ESR-1474](#).

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Flexible Flashing Materials (AC148), dated July 2018 (editorially revised May 2018).

7.0 IDENTIFICATION

- 7.1** The Huber Engineered Woods ZIP System™ Flexible Flashing Tape described in this report is labeled at regular intervals with the manufacturer's identification

(ZIP System™) and the evaluation report number (ESR-2227). The tape packaging is labeled with the manufacturer's name (Huber Engineered Woods LLC) and address and the evaluation report number (ESR-2227).

- 7.2 The report holder's contact information is the following:

HUBER ENGINEERED WOODS, LLC
ONE RESOURCE SQUARE
10925 DAVID TAYLOR DRIVE, SUITE 300
CHARLOTTE, NORTH CAROLINA 28262
(800) 933-9220
www.huberwood.com

ICC-ES Evaluation Report

ESR-2227 LABC and LARC Supplement

Issued July 2018

This report is subject to renewal February 2020.

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A Subsidiary of the International Code Council®

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 65 00—Flexible Flashing

REPORT HOLDER:

HUBER ENGINEERED WOODS, LLC

EVALUATION SUBJECT:

ZIP SYSTEM™ FLEXIBLE FLASHING TAPE

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Zip System™ Flexible Flashing Tape described in ICC-ES master evaluation report [ESR-2227](#), has also been evaluated for compliance with the codes noted below as adopted by the Los Angeles Department of Building and Safety (LADBS).

Applicable code editions:

- 2017 *City of Los Angeles Building Code* (LABC)
- 2017 *City of Los Angeles Residential Code* (LARC)

2.0 CONCLUSIONS

The Zip System™ Flexible Flashing Tape, described in Sections 2.0 through 7.0 of the master evaluation report [ESR-2227](#), complies with LABC Chapter 14, and LARC Section R703, and is subjected to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Zip System™ Flexible Flashing Tape described in this evaluation report must comply with all of the following conditions:

- All applicable sections in the master evaluation report [ESR-2227](#).
- The installation, conditions of use and identification of the Flexible Flashing Tape are in accordance with the 2015 *International Building Code*® (2015 IBC) and 2015 *International Residential Code*® (2015 IRC) provisions, as applicable, as noted in the master evaluation report [ESR-2227](#).

This supplement expires concurrently with the master report, issued February 2018 and revised July 2018.

ICC-ES Evaluation Report

ESR-2227 CBC and CRC Supplement

Issued July 2018

This report is subject to renewal February 2020.

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A Subsidiary of the International Code Council®

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 65 00—Flexible Flashing

REPORT HOLDER:

HUBER ENGINEERED WOODS, LLC

EVALUATION SUBJECT:

ZIP SYSTEM™ FLEXIBLE FLASHING TAPE

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Zip System™ Flexible Flashing Tape, recognized in ICC-ES master evaluation report ESR-2227, has also been evaluated for compliance with the code(s) noted below.

Applicable code editions:

- 2016 California Building Code (CBC)
- 2016 California Residential Code (CRC)

2.0 CONCLUSIONS

2.1 CBC:

The Zip System™ Flexible Flashing Tape, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2227, complies with CBC Chapters 14, 15, and 23, provided the design and installation are in accordance with the 2015 *International Building Code*® (IBC) provisions noted in the master report and the additional requirements of CBC Chapters 14, 15, 16, 16A, 17, 17A and 23, as applicable.

The Zip System™ Flexible Flashing Tape has not been evaluated under CBC Chapter 7A for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Area.

2.2 CRC:

The Zip System™ Flexible Flashing Tape, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2227, complies with the CRC, provided the design and installation are in accordance with the 2015 *International Residential Code*® (IRC) provisions noted in the master report.

The Zip System™ Flexible Flashing Tape has not been evaluated under CRC Section R337 for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Area.

The products recognized in this supplement have not been evaluated for compliance with the *International Wildland–Urban Interface Code*®.

This supplement expires concurrently with the master report, reissued February 2018 and revised July 2018.

ICC-ES Evaluation Report

ESR-2227 FBC Supplement

Reissued February 2018

Revised July 2018

This report is subject to renewal on February 2020.

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A Subsidiary of the International Code Council®

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 65 00—Flexible Flashings

REPORT HOLDER:

HUBER ENGINEERED WOODS, LLC

EVALUATION SUBJECT:

ZIP SYSTEM™ FLEXIBLE FLASHING TAPE

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that ZIP System™ Flexible Flashing Tape, recognized in ICC-ES master evaluation report ESR-2227, has also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2017 *Florida Building Code—Building*
- 2017 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The ZIP System™ Flexible Flashing Tape, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2227, complies with the *Florida Building Code—Building* and the *Florida Building Code—Residential*, provided the design and installation are in accordance with the 2015 *International Building Code*® provisions noted in the master report.

Use of the ZIP System™ Flexible Flashing Tape for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Residential* has not been evaluated, and is outside the scope of this supplemental report.

For products falling under Florida Rule 9N-3, verification that the report holder's quality-assurance program is audited by a quality-assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official, when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the master report, reissued February 2018 and revised July 2018.

ICC-ES Environmental Report

VAR-1012

Reissued September 2017

Revised August 2017

This report is subject to renewal September 2019.

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A Subsidiary of the International Code Council®

DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES

Section: 06 12 00—Structural Panels

Section: 06 16 00—Sheathing

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 21 00—Thermal Insulation

Section: 07 25 00—Water-Resistive Barriers/Weather Barriers

Section: 07 27 00—Air Barriers

REPORT HOLDER:

HUBER ENGINEERED WOODS, LLC
10925 DAVID TAYLOR DRIVE
CHARLOTTE, NORTH CAROLINA 28262
(800) 933-9220
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EVALUATION SUBJECT:

ADVANTECH® (AT-SERIES) SHEATHING SPAN; ADVANTECH® (AT-SERIES) FLOOR SPAN; ZIP SYSTEM® ROOF SHEATHING; ZIP SYSTEM® WALL SHEATHING; ZIP SYSTEM® R-SHEATHING (INSULATING SHEATHING)

1.0 EVALUATION SCOPE

Compliance with the following evaluation criteria:

- ICC-ES Environmental Criteria for Determination of Bio-based Material Content (EC102), dated March 2012.
- ICC-ES Evaluation Guideline for Determination of Source of Recovery, Extraction, Harvest and Manufacture for Materials or Products (EC114), dated March 2012
- ICC-ES Environmental Criteria for Determination of Formaldehyde Emissions of Composite Wood and Engineered Wood Products (EC108), dated March 2012.
- ICC-ES Environmental Criteria for Determination of Certified Wood and Certified Wood Content in Products (EC109), dated March 2012.

Compliance eligibility with the applicable sections of the following green building rating systems, standards and codes:

- 2015 and 2012 International Green Construction Code (IgCC) (see Table 2 for details)

- 2016 California Green Building Standards Code (CALGreen), Title 24, Part 11 (see Table 3 for details)
- 2015, 2012 and 2008 National Green Building Standard (ICC 700-2015, ICC 700-2012 and ICC 700-2008) (see Tables 4, 5 and 6 for details)
- LEED for Homes 2008 (see Table 7 for details)
- LEED v4 for Homes Design and Construction (see Table 8 for details)
- LEED 2009 for New Construction and Major Renovations (see Table 9 for details) LEED 2009 for Schools New Construction and Major Renovations (see Table 10 for details)
- LEED v4 for Building Design and Construction (BD+C) (See Table 11 for details)
- ANSI/GBI 01-2010 – Green Building Assessment Protocol for Commercial Buildings (see Table 12 for details)

2.0 USES

AdvanTech® (AT-Series) Sheathing Span, AdvanTech® (AT-Series) Floor Span, ZIP System® Roof Sheathing and ZIP System® Wall Sheathing are used for a variety of interior and exterior framing and sheathing applications.

ZIP System® R-Sheathing panels are used as combination wall sheathing and continuous insulation in conventional wood-framed wall construction.

3.0 DESCRIPTION

AdvanTech® (AT-Series) Sheathing Span and AdvanTech® (AT-Series) Floor Span wood structural panels are Exposure 1 oriented strand board (OSB) panels manufactured with strands from a single wood species or a combination of wood species blended with an exterior-type adhesive system to comply with U.S. DOC PS-2 and the applicable ICC-ES report as indicated in Table 1.

ZIP System® Roof Sheathing and ZIP System® Wall Sheathing wood structural panels are OSB panels with laminated, resin-impregnated, polymer-modified sheet material manufactured to comply with U.S. DOC PS-2 and the applicable ICC-ES reports as indicated in Table 1. The panels are installed with ZIP System® self-adhering membrane tape. The tape is outside the scope of this evaluation report.

ZIP System® R-Sheathing is an insulated sheathing made by combining 7/16-inch-thick ZIP System® Wall Sheathing as described in ESR-1474 with a layer of maximum 2-inch-thick (51 mm) rigid foam plastic insulation

laminated to the interior face with PVA adhesive. Refer to ESR-3373 for additional product description.

4.0 CONDITIONS

4.1 Code Compliance:

AdvanTech® (AT-Series) Sheathing Span, AdvanTech® (AT-Series) Floor Span, ZIP System® Roof Sheathing, ZIP System® Wall Sheathing and ZIP System® R-Sheathing have been evaluated for compliance with the requirements of the International Codes as listed in Table 1 of this report.

4.2 Green Rating Systems, Standards and Code Eligibility:

The information presented in Tables 2 through 12 of this report provides a matrix of areas of evaluation and corresponding limitations and/or additional project-specific requirements, and offer benefit to individuals who are assessing eligibility for credits or points.

The final interpretation of the specific requirements of the respective green building rating system, standard and/or code rests with the developer of that specific rating system or standard or the Authority Having Jurisdiction, as applicable.

Compliance with items noted as “Verified Attribute” is subject to any conditions noted in the tables. Decisions on compliance with those items noted as “Eligible for Points” in Tables 2 through 12 rests with the user of this report, and those items are subject to the conditions noted. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. Rating systems or standards often provide supplemental information as guidance.

5.0 BASIS OF EVALUATION

The information in this report, including the “Verified Attribute,” is based upon the following supporting documentation:

- 5.1 ICC-ES EC102 [Evaluation applies to IgCC Section 505.2.4; CALGreen Sections A4.405.4 & A5.405.2; ICC 700-2008 Section 606.1(2); ICC 700-2015 and ICC 700-2012 Sections 606.1, 11.606.1 & 12.1(A).606.1; ANSI/GBI 01-2010 Section 10.1.2.2].
- 5.2 ICC-ES EC114. [Evaluation applies to IgCC Section 505.2.5; CALGreen Section A5.405.1; ICC 700-2008 Section 608.1; ICC 700 2015 and ICC 700-2012

Sections 609.1, 11.609.1 & 12.1(A).609.1; LEED Homes MR 2.2(c); LEED v4 Homes MRc3; LEED NC MR 5; LEED Schools MR 5; LEED v4 BD+C MRc3; ANSI/GBI 01-2010 Section 10.1.4.1].

- 5.3 ICC-ES EC108 [Evaluation applies to IgCC Section 806.1; ICC 700-2008 Section 901.4(6); ICC 700-2015 and ICC 700-2012 Sections 901.4(6) & 11.901.4(6); LEED NC EQ 4.4; LEED Schools EQ 4.4; LEED v4 BD+C EQc2].
- 5.4 ICC-ES EC109 [Evaluation applies to ICC 700-2008 Section 606.2; ICC 700-2015 and ICC 700-2012 Sections 606.2(2), 11.606.2(2) & 12.1(A).606.2; ANSI/GBI 01-2010 Section 10.3.2.1].
- 5.5 Documentation establishing and documenting all major sources of primary manufacturing energy [Evaluation applies to ICC 700-2008 Section 606.3; ICC 700-2015 and ICC 700-2012 Sections 606.3 & 11.606.3].
- 5.6 ICC-ES [ESR-1474](#) documenting that ZIP System Wall Sheathing is equivalent to a code-prescribed water-resistive barrier [Evaluation applies to CALGreen Section 5.407.1; ICC 700-2008 Section 602.9; ICC 700-2015 and ICC 700-2012 Section 602.1.8].
- 5.7 Refer to ICC-ES [ESR-1474](#) for evaluation of the ZIP System Wall Sheathing as an air barrier assembly [Evaluation applies to IgCC Section 605.1.2.1.1; ICC 700-2008 Section 703.2.1; ICC 700-2015 and ICC 700-2012 Sections 701.4.3.2, 11.701.4.3.2 & 12.1.701.4.3.1; LEED Homes EA 3; LEED v4 Homes EAc7].

6.0 IDENTIFICATION

AdvanTech® (AT-Series) Sheathing Span, AdvanTech® (AT-Series) Floor Span, ZIP System® Roof Sheathing, ZIP System® Wall Sheathing and ZIP System® R-Sheathing products are identified with a stamp noting the manufacturer’s name (Huber Engineered Woods, LLC) and address, the product name the manufacturing location, the ICC-ES evaluation report number (if applicable), and the name or logo of the inspection or grading agency. The report subjects are also identified on the product and/or packaging with the VAR Environmental Report number (VAR-1012) and the ICC-ES SAVE Mark, as applicable.

TABLE 1—REFERENCE STANDARD OR EVALUATION REPORT NUMBER FOR HUBER ENGINEERED WOODS LLC PRODUCTS

PRODUCT	REPORT NUMBER/ REFERENCE STANDARD
AdvanTech® (AT-Series) Sheathing Span AdvanTech® (AT-Series) Floor Span	ESR-1785
ZIP System® Roof Sheathing	ESR-1473 & ESR-2227
ZIP System® Wall Sheathing	ESR-1474 & ESR-2227
ZIP System® R-Sheathing	ESR-3373

Section Number	Section Intent	Possible Points	Conditions of Use to Qualify	AdvanTech Sheathing	AdvanTech Flooring	ZIP System Roof Sheathing	ZIP System Wall Sheathing	ZIP System R-Sheathing
TABLE 2—SUMMARY OF AREAS OF ELIGIBILITY WITH 2015 and 2012 INTERNATIONAL GREEN CONSTRUCTION CODE								
505.2.4	Bio-based products	N/A	All Huber wood products are qualified as bio-based.	•	•	•	•	○ ⁵
505.2.5	Indigenous materials	N/A	Products shall be recovered, harvested, extracted & manufactured within a 500 mile (800 km) radius of the building site. Where only a portion of a material or product is recovered, harvested, extracted & manufactured within 500 miles (800 km), only that portion shall be included. Where resources are transported by water or rail, the distance to the building site shall be determined by multiplying the distance that the resources are transported by water or rail by 0.25, & adding that number to the distance transported by means other than water or rail. ⁶	○	○	○	○	
505.4.1	Environmental product declaration (applies to 2015 IgCC only)	N/A	A building material with a Type III environmental product declaration that is verified by a program operator is recognized as a means of complying with Section 505.4	•	•	•	•	•
605.1.2.1.1	Air barrier installation	N/A	Install the system in accordance with the manufacturer's installation instructions and ICC-ES evaluation report ESR-1474.				•	•
806.1	Formaldehyde emissions	N/A	Huber wood structural panels comply with US DOC PS 2 (See Table 1 of this report) and are exempt from formaldehyde emissions testing.	•	•	•	•	○ ⁵
TABLE 3—SUMMARY OF AREAS OF ELIGIBILITY WITH 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE								
A5.405.1	Regional materials	Elective	Verify local products that are extracted, processed and manufactured within California or 500 miles (805 km) of the job site. ⁶	○	○	○	○	
A4.405.4 A5.405.2	Bio-based materials		All Huber wood products are qualified as bio-based.	•	•	•	•	○ ⁵
A4.405.4(3) A4.405.4(5)	Renewable sources		Materials from renewable sources (such as engineered wood).	•	•	•	•	○ ⁵
A5.405.2.1	Certified Wood		Under review by California Building Standards Commission. ³	N/A	N/A	N/A	N/A	N/A
5.407.1	Water-resistant exterior wall assembly	Mandatory	Huber products provide a water-resistant exterior wall envelope.				○	○
4.504.5 5.504.4.5	Composite wood product emissions		EWP products do not apply to the composite wood product definition. ⁴					
TABLE 4—SUMMARY OF AREAS OF ELIGIBILITY WITH THE NATIONAL GREEN BUILDING STANDARD (ICC 700-2008)								
602.9	Water-resistive barrier	Mandatory	Install a water-resistive barrier and/or drainage plan system behind exterior veneer and/or siding.				•	•
606.1(2)	Two types of biobased materials are used, each for more than 1% of the project's projected building material cost	6	To earn 6 points products must be at least 1% of the construction material cost AND another bio-based product at 1% of material cost must be used. 1 or 3 points are available for greater than 0.5%.	•	•	•	•	○ ⁵
606.2(1)	Two certified wood-based products are used for minor elements of the building, such as all walls, floors or roof	3	To earn 3 points a second certified wood product must also be used as a minor element. ¹	•	•	•	•	○ ⁵
606.2(2)	Two certified wood-based products are used for major elements of the building, such as all walls, floors or roof	4	To earn 4 points a second certified wood product must also be used as a major element. ¹	•	•	•	•	○ ⁵
606.3	Materials are used for major components of the building that are manufactured using a minimum of 33% of primary manufacturing process energy derived from renewable sources, combustible waste sources, or renewable energy credits	2 each 6 max	To earn 6 points the products must be used for at least 3 major components of the building. 2 points may be earned when used for each major component.	•	•	•	•	○ ⁵
608.1	Indigenous materials	2 each 10 max	To earn 2 points verify local products are originated, produced, grow naturally or occur naturally within 500 miles (805 km) of job site. ⁶	○	○	○	○	
703.2.1	Insulation and air sealing	3 15 max	Insulation and air sealing is installed in accordance with all the following, as applicable: (1) third-party verification performed 15 pts, (2) no third-party verification performed 3 pts.				○	○
○	= Eligible for points							
•	= Verified attribute							
	= This provision does not apply to this product							

Section Number	Section Intent	Possible Points	Conditions of Use to Qualify	AdvanTech Sheathing	AdvanTech Flooring	ZIP System Roof Sheathing	ZIP System Wall Sheathing	ZIP System R-Sheathing
TABLE 4—SUMMARY OF AREAS OF ELIGIBILITY WITH THE NATIONAL GREEN BUILDING STANDARD (ICC 700-2008) (Continued)								
901.4(1)	Structural plywood used for floor, wall, and/or roof sheathing complies with DOC PS 1 and/or DOC PS 2. OSB used for floor, wall, and/or roof sheathing complies with DOC PS 2. Panels are made with moisture-resistant adhesives and the trademark indicates the adhesives are Exposure 1 or Exterior (plywood) and Exposure 1 (OSB)	Mandatory	To meet this, a minimum of 85% of OSB or plywood in the building must consist of Huber products.	•	•	•	•	•
901.4(6)	Non-emitting products, which can include structural wood framing	4	A minimum of 85% of product in the building are the identified Huber products.	•	•	•	•	• ⁵
TABLE 5—SUMMARY OF AREAS OF ELIGIBILITY WITH THE NATIONAL GREEN BUILDING STANDARD (ICC 700-2012)								
602.1.8	Water-resistive barrier	Mandatory	Install a water-resistive barrier and/or drainage plan system behind exterior veneer and/or siding.				•	•
606.1(2) 11.606.1(b) 12.1(A).606.1	Two types of biobased materials are used, each for more than 1% of the project's projected building material cost	6	To earn 6 points products must be at least 1% of the construction material cost AND another biobased product at 1% of material cost must be used. 1 or 3 points are available for greater than 0.5%.	•	•	•	•	○ ⁵
606.2(1) 11.606.2(1) 12.1(A).606.1	Two certified wood-based products are used for minor elements of the building, such as all trim, cabinetry, or millwork	3	To earn 3 points a second certified wood product must also be used as a minor element ¹	•	•	•	•	○ ⁵
606.2(2) 11.606.2(2) 12.1(A).606.2	Two certified wood-based products are used for major elements of the building, such as all walls, floors or roof	4	To earn 4 points a second certified wood product must also be used as a major element. ¹	•	•	•	•	○ ⁵
606.3 11.606.3	Materials are used for major components of the building are manufactured using a minimum of 33% of primary manufacturing process energy derived from renewable sources, combustible waste sources, or renewable energy credits	2 each 6 max	To earn 6 points the products must be used for at least 3 major components of the building. 2 points may be earned when used for each major component.	•	•	•	•	○ ⁵
609.1	Regional materials	2 each 10 max	To earn 2 points verify material is produced, grows naturally, or occurs naturally within 500 miles (805 km) of the job site if transported by truck or 1500 miles (2414 km) if transported for at least 80% of the total distance by rail or water. Products that are assembled or produced from multiple raw materials qualify if the weighted average (by weight or volume) of the distance the raw materials have been transported meet the distance criteria. ⁶	○	○	○	○	
701.4.3.2 11.701.4.3.2 12.1.701.4.3.1	Insulation and air sealing	3 15 max	Insulation and air sealing is installed in accordance with all the following, as applicable: (1) third-party verification performed 15 pts; (2) no third-party verification performed 3 pts.				○	○
901.4(1) 11.901.4(1) 12.1.901.4(1)	Structural plywood used for floor, wall, and/or roof sheathing complies with DOC PS 1 and/or DOC PS 2. OSB used for floor, wall, and/or roof sheathing complies with DOC PS 2. Panels are made with moisture-resistant adhesives & the trademark indicates the adhesives are Exposure 1 or Exterior (plywood) & Exposure 1 (OSB)	Mandatory	To meet this, a minimum of 85% of OSB or plywood in the building must consist of Huber products.	•	•	•	•	•
901.4(6) 11.901.4(6)	Non-emitting products, which can include structural wood framing	4	A minimum of 85% of product in the building are the identified Huber products.	•	•	•	•	○ ⁵
○	= Eligible for points							
•	= Verified attribute							
	= This provision does not apply to this product							

Section Number	Section Intent	Possible Points	Conditions of Use to Qualify for Points	AdvanTech Sheathing	AdvanTech Flooring	ZIP System Roof Sheathing	ZIP System Wall Sheathing	ZIP System R-Sheathing
TABLE 6—SUMMARY OF AREAS OF ELIGIBILITY WITH THE NATIONAL GREEN BUILDING STANDARD (ICC 700-2015)								
602.1.8	Water-resistive barrier	Mandatory	Install a water-resistive barrier and/or drainage plan system behind exterior veneer and/or siding.				•	•
606.1(2) 11.606.1(b) 12.1(A).606.1	Two types of biobased materials are used, each for more than 1% of the project's projected building material cost	6	To earn 6 points products must be at least 1% of the construction material cost AND another biobased product at 1% of material cost must be used. 1 or 3 points are available for greater than 0.5%.	•	•	•	•	○ ⁵
606.2(1) 11.606.2(1) 12.1(A).606.1	Two certified wood-based products are used for minor elements of the building, such as all trim, cabinetry, or millwork	3	To earn 3 points a second certified wood product must also be used as a minor element ¹	•	•	•	•	○ ⁵
606.2(2) 11.606.2(2) 12.1(A).606.2	Two certified wood-based products are used for major elements of the building, such as all walls, floors or roof	4	To earn 4 points a second certified wood product must also be used as a major element. ¹	•	•	•	•	○ ⁵
606.3 11.606.3	Materials are used for major components of the building are manufactured using a minimum of 33% of primary manufacturing process energy derived from renewable sources, combustible waste sources, or renewable energy credits	2 each 6 max	To earn 6 points the products must be used for at least 3 major components of the building. 2 points may be earned when used for each major component.	•	•	•	•	○ ⁵
609.1	Regional materials	2 each 10 max	To earn 2 points verify material is produced, grows naturally, or occurs naturally within 500 miles (805 km) of the job site if transported by truck or 1500 miles (2414 km) if transported for at least 80% of the total distance by rail or water. Products that are assembled or produced from multiple raw materials qualify if the weighted average (by weight or volume) of the distance the raw materials have been transported meet the distance criteria. ⁵	○	○	○	○	
611.4.2	Product specific declaration	5	A product specific Type III EPD is submitted for each product that is manufacturer specific for an individual product or product family & is certified as complying, at a minimum with the scope & goal for the cradle-to-gate requirements in accordance with ISO Standards 14025 & 21930.	•	•	•	•	•
701.4.3.2 11.701.4.3.2 12.1.701.4.3.1	Insulation and air sealing	3 15 max	Insulation and air sealing is installed in accordance with all the following, as applicable: (1) third-party verification performed 15 pts, (2) no third-party verification performed 3 pts				○	○
901.4(1) 11.901.4(1) 12.1.901.4(1)	Structural plywood used for floor, wall, and/or roof sheathing complies with DOC PS 1 and/or DOC PS 2. OSB used for floor, wall, and/or roof sheathing complies with DOC PS 2. Panels are made with moisture-resistant adhesives & the trademark indicates the adhesives are Exposure 1 or Exterior (plywood) & Exposure 1 (OSB)	Mandatory	To meet this, a minimum of 85% of OSB or plywood in the building must consist of Huber products.	•	•	•	•	•
901.4(6) 11.901.4(6)	Non-emitting products, which can include structural wood framing	4	A minimum of 85% of product in the building are the identified Huber products.	•	•	•	•	○ ⁵
TABLE 7—SUMMARY OF AREAS OF ELIGIBILITY WITH USGBC'S LEED FOR HOMES 2008								
EA 3	Air Infiltration	3 max	To earn 2 or 3 points meet the air leakage requirements shown in Table 17 of the credit, as applicable.				○	○
MR 2.1	FSC certified tropical wood	0.5 each 8 max	To earn 0.5 point per component use FSC-certified tropical wood. ²	2	2	2	2	2
MR 2.2(c)	Environmentally preferable products for roof, wall & floors; interior & exterior framing & sheathing	0.5 each 8 max	To earn points use products that are extracted, processed and manufactured within 500 miles (805 km) of the site for a minimum of 90% (by weight or volume of the component). ⁶	○	○	○	○	
○	= Eligible for points							
•	= Verified attribute							
	= This provision does not apply to this product							

Section Number	Section Intent	Possible Points	Conditions of Use to Qualify for Points	AdvanTech Sheathing	AdvanTech Flooring	ZIP System Roof Sheathing	ZIP System Wall Sheathing	ZIP System R-Sheathing
TABLE 8—SUMMARY OF AREAS OF ELIGIBILITY WITH USGBC'S LEED v4 HOMES								
EAc7	Air Infiltration	2 max	To earn 1 or 2 points based on air leakage rates determined by testing and verification.				○	○
MR	FSC certified tropical wood	Prerequisite	All wood must be nontropical or certified by FSC or USGBC-approved equivalent. ²	2	2	2	2	2
MRc3	Environmentally preferable products for roof, wall & floors; interior & exterior framing & sheathing	0.5 each 8 max	Option 1: To earn points use framing that is extracted, processed and manufactured within 100 miles (160 km) of the site for a minimum of 50% (by weight or volume) of the component. ⁶	○	○	○	○	
			Option 2: Use wood products certified by FSC or USGBC-approved equivalent. ²	2	2	2	2	○ ²
EQc2	Low emitting materials	1	To earn 1 point use wood composite products containing no-added urea-formaldehyde resins.	●	●	●	●	● ⁵
TABLE 9—SUMMARY OF AREAS OF ELIGIBILITY WITH USGBC'S LEED 2009 FOR NEW CONSTRUCTION AND MAJOR RENOVATION								
MR 5.1	Regional materials (10% of content)	1	To earn 1 point use products that are extracted, processed and manufactured within 500 miles (805 km) of the site for a minimum of 10% (by cost) of total materials value. To earn 2 points use a minimum of 20%. ⁶	○	○	○	○	
MR 5.2	Regional materials (20% of content)	2		○	○	○	○	
MR 7	Certified wood	1	To earn 1 point use a minimum 50% (based on cost) of wood-based materials/products certified to FSC requirements. ²	2	2	2	2	2
EQ 4.4	Low emitting materials	1	To earn 1 point use wood composite wood products containing no-added urea-formaldehyde resins.	●	●	●	●	○ ⁵
TABLE 10—SUMMARY OF AREAS OF ELIGIBILITY WITH USGBC'S LEED 2009 FOR SCHOOLS NEW CONSTRUCTION AND MAJOR RENOVATION								
MR 5.1	Regional materials (10% of content)	1	To earn 1 point use products that are extracted, processed and manufactured within 500 miles (805 km) of the site for a minimum of 10% (by cost) of total materials value. To earn 2 points use a minimum of 20%. ⁶	○	○	○	○	
MR 5.2	Regional materials (20% of content)	2		○	○	○	○	
MR 7	Certified wood	1	To earn 1 point use a minimum 50% (based on cost) of wood-based materials/products certified to FSC requirements. ²	2	2	2	2	2
EQ 4.4	Low emitting materials	1	To earn 1 point use wood composite wood products containing no-added urea-formaldehyde resins.	●	●	●	●	○ ⁵
TABLE 11—SUMMARY OF AREAS OF ELIGIBILITY WITH USGBC'S LEED v4 BUILDING DESIGN AND CONSTRUCTION (BD+C)								
MRc2	Environmental product declarations	1	Option 1. Environmental product declaration (EPD) where at least 20 different permanently installed products sourced from at least 5 different manufacturers are used that meet one of the disclosure criteria stated in the MR credit.	○	○	○	○	○
MRc3	Sourcing of raw materials - certification of new wood products	1	Option 2: Use wood-based materials/products certified by FSC or USGBC-approved equivalent ²	2	2	2	2	○ ²
MRc3	Sourcing of raw materials - source location	N/A	Products meeting the requirements of MRc3 Option 2 may be eligible for additional credit based on source location (extraction, manufacture and purchase point) based on location relative to project site ^{2,6}	6	6	6	6	
IEQc2.2	Low emitting materials	N/A	EWP and lumber products do not apply to the composite wood product definition ⁴					
TABLE 12—SUMMARY OF AREAS OF ELIGIBILITY WITH ANSI/GBI 01-2010 – GREEN BUILDING ASSESSMENT PROTOCOL FOR COMMERCIAL BUILDINGS								
10.1.2.2	Biobased Products - building assemblies	7 max	All Huber wood products are qualified as biobased	●	●	●	●	○ ⁵
10.1.4.1	Regional Materials - building assemblies	5 max	To earn credits use products that are extracted, processed and manufactured within 500 miles (805 km) of the site for a minimum of 90% (by weight or volume of the component). ⁶	○	○	○	○	
10.3.2.1	Certified wood	6 max	Between 10% and 60% or more of wood-based products used in the building are third party certified.	●	●	●	●	○ ⁵
○	= Eligible for points							
●	= Verified attribute							
	= This provision does not apply to this product							

Footnotes:

¹Certification is required of the manufacturer only. Vendor Chain of Custody is not required to qualify for this point.

²Forest certification credit for LEED 2009 resources FSC exclusively and for LEED v4 resources either FSC or USGBC-approved equivalent. Contact USGBC for a list of approved equivalent programs

³CGBC recognizes importance of use of certified forest products, however, the specific requirements are currently under development

⁴This area is not to be confused with the provisions of EQ 4.4 in LEED (Table 4) because the California Air Resources Board (CARB) does not regulate engineered wood product emissions.

⁵Eligibility applies only to the wood-based sheathing portion of the panel.

⁶Regional material calculations based on project location provided by Huber upon request.

N/A = Not applicable