



DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 25 00—Water-resistive Barriers/Weather Barriers
Section: 07 27 00—Air Barriers

REPORT HOLDER:

FIBERWEB, INC.

EVALUATION SUBJECT:

SURROUND™ HOUSEWRAP B, W AND G WEATHER RESISTANT BARRIERS; TYPAR® HOUSEWRAP WEATHER RESISTANT BARRIERS; TYPAR® METROWRAP™ WEATHER RESISTANT BARRIERS; AND CERTAWRAP™ WEATHER RESISTANT BARRIERS (PRIVATE LABEL I)

1.0 EVALUATION SCOPE

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

- 2012 *International Green Construction Code* (2012 IgCC) (See Table 2 for details)
- *International Green Construction Code – Public Version 2.0* (IGCC PV2.0) (see Table 3 for details)
- ANSI/ASHRAE/USGBC/IES Standard 189.1-2009 – Standard for the Design of High-Performance Green Buildings, Except Low-Rise Residential Buildings (see Table 4 for details)
- National Green Building Standard (ICC 700-2008) (See Table 5 for details)
- LEED for Homes 2008 (see Table 6 for details)
- ANSI/GBI 01-2010 – Green Building Assessment Protocol for Commercial Buildings (see Table 7 for details)

2.0 USES

Surround™ Housewrap B, W and G, Typar® HouseWrap, Typar® MetroWrap™ and CertaWrap™ Weather Resistant Barriers (Private Label I) are used as water-resistive barriers on the exterior side of exterior walls of buildings. Additionally, Typar® HouseWrap, Typar® MetroWrap™ and CertaWrap™ have been evaluated for use as air barrier materials.

3.0 DESCRIPTION

Surround™ Housewrap B, Surround™ Housewrap W and Surround™ Housewrap G are nonwoven, micro-perforated,

polyolefin materials, with a basis weight of 0.22 ounce per square foot (72 g/m²), and are produced in rolls of varying size. The only difference between the products is color. Surround™ Housewrap B is black, Surround™ Housewrap W is white and Surround™ Housewrap G is gray.

Typar® HouseWrap™ and CertaWrap™ are nonwoven, nonperforated, polypropylene materials with a nominal thickness of 12.9 mils [0.0129 inch (0.328 mm)] and a basis weight of 3.1 ounces per square yard (105 g/m²). The wraps are produced in rolls of varying size. Typar® MetroWrap™ is a nonwoven, nonperforated, polypropylene material with a nominal thickness of 13.7 mils [0.0137 inch (0.348 mm)] and a basis weight of 3.5 ounces per square yard (119 g/m²). MetroWrap™ is produced in rolls of varying size.

4.0 CONDITIONS

4.1 Code Compliance:

See the ICC-ES reports listed in Table 1 for compliance with applicable code requirements.

4.2 Green Codes, Standards and Rating Systems Eligibility:

The information presented in Tables 2 through 7 of this report provides a matrix of areas of evaluation and corresponding limitations and/or additional project-specific requirements, and offers 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.

Decisions on compliance for those items noted as “Eligible for Points” in Tables 2 through 7 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; verification of those conditions is outside the scope of this report. Rating systems or standards often provide supplemental information as guidance. Compliance for items noted as “Verified Attributes” is also subject to any conditions noted in the tables.

5.0 BASIS OF EVALUATION

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

- ICC-ES ESR-1404 (Evaluation applies to 2012 IgCC Section 605.1.2.1; IGCC PV2.0 Section 606.1.2;

ASHRAE 189.1 Sections 7.4.2.10; ICC 700 Section 703.2.1; LEED Homes EA Credit 3; and ANSI/GBI Section 10.8.1 [for Typar® HouseWrap, Typar® MetroWrap™ and CertaWrap™ only]

- ICC-ES [ESR-2416](#) and [ESR-1404](#) (Evaluation applies to ICC 700 Section 602.9)

6.0 IDENTIFICATION

6.1 Surround™ Housewrap B, W and G, Typar® HouseWrap, Typar® MetroWrap™ and CertaWrap™ Weather Resistant Barriers (Private Label I) are identified by a label on the container of each roll of

membrane and by printing on the product, bearing the report holder’s name (Fiberweb), the manufacturing location (Old Hickory, TN); the product name; and the VAR Environmental Report number (VAR-1019).

6.2 The report holder’s contact information is the following:

FIBERWEB, INC.
70 OLD HICKORY BOULEVARD
OLD HICKORY, TENNESSEE 37138
(615) 847-7124
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TABLE 1—EVALUATION REPORTS FOR FIBERWEB PRODUCTS

PRODUCT	REPORT NUMBER
Surround™ Housewrap B, W and G	ESR-2416
Typar® HouseWrap Typar® MetroWrap™ CertaWrap™ Weather Resistant Barriers (Private Label I)	ESR-1404

TABLES 2 THROUGH 7

Section Number	Section Intent	Possible Points	Conditions Of Use To Qualify For Points	Finding
TABLE 2—SUMMARY OF AREA OF ELIGIBILITY WITH 2012 INTERNATIONAL GREEN CONSTRUCTION CODE				
605.1.2.1	Air barriers	N/A	Verify that a continuous air barrier has been provided and tested in accordance with IgCC Section 605.1.2.2	○ ¹
TABLE 3—SUMMARY OF AREA OF ELIGIBILITY WITH INTERNATIONAL GREEN CONSTRUCTION CODE – PUBLIC VERSION 2.0				
606.1.2	Air leakage mitigation measures shall be provided in accordance with this section.	N/A	Verify that the air barrier material has been installed properly as set forth in IgCC Section 606.1.2	○ ¹
TABLE 4—SUMMARY OF AREA OF ELIGIBILITY WITH ANSI/ASHRAE/USGBC/IES STANDARD 189.1				
7.4.2.10	Continuous air barrier	Prescriptive	The building envelope shall be constructed with a continuous air barrier complying with Normative Appendix B. Typar® HouseWrap, Typar® MetroWrap™ and CertaWrap™ meet the requirements of B2 for air barrier materials	● ¹
TABLE 5—SUMMARY OF AREA OF ELIGIBILITY WITH THE NATIONAL GREEN BUILDING STANDARD (ICC 700-2008)				
602.9	Water-resistive barrier	N/A	Install a water-resistive barrier and/or drainage plan system behind the exterior veneer and/or siding	●
703.2.1	Insulation and/or air sealing	3 15 max	Insulation and/or air sealing is installed in accordance with the following, as applicable: (1) third-party verification performed 15 pts, No third-party verification performed 3 pts	○ ¹
TABLE 6—SUMMARY OF AREA OF ELIGIBILITY WITH USGBC'S LEED FOR HOMES 2008				
EA 3	Air infiltration	3 max	To earn 2 or 3 points meet the leakage requirements shown in Table 17 of the rating system, as applicable, when tested and verified by a third-party	○ ¹
TABLE 7—SUMMARY OF AREA OF ELIGIBILITY WITH ANSI/GBI 01-2010				
10.8.1	Air barrier	3 6 max	Earn 3 points for Installation of a continuous air barrier as set forth in Section 10.8.1.1 of the standard Earn 3 points for use of an air barrier material tested in accordance with ASTM E2178 where the air permeability of individual materials did not exceed 0.02 L/s·m ² under a pressure differential of 75 Pa (0.004 cfm/ft ²) under a pressure differential of 0.3 in. water (1.57 lb/ft ²)	● ¹
○	= Eligible attribute			
●	= Verified attribute			

¹Applicable to Typar® HouseWrap, Typar® MetroWrap™ and CertaWrap™ only
 N/A = Not applicable (i.e. this is a minimum or mandatory requirement and points/credits are not applicable)