



# NEMO EVALUATIONS REPORT

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PrimeSource Building Products, Inc.

Nemo|cert.

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INSPECT

CERTIFY

EVALUATE

VALIDATE

QUALIFY

## NEMO EVALUATION REPORT (NER)



**PrimeSource Building Products, Inc.**  
1321 Greenway Drive  
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<b>SUBJECT:</b>	<b>Grip-Rite® ProWrap™ SA</b>
<b>SCOPE:</b>	NEMO Evaluations has evaluated the product described herein for compliance with the <a href="#">Code sections noted herein</a> .
<b>CODE:</b>	2021 International Building Code (IBC) 2021 International Building Code, Residential (IRC)
<b>NEMO CATEGORY:</b>	Barrier
<b>CSI DIVISION:</b>	07 00 00 Thermal and Moisture Protection 07 25 00 Water-Resistive Barriers / Weather Barriers 07 27 00 Air Barrier
<b>EVALUATED PROPERTIES:</b>	Water resistance Air leakage Drainage efficiency Heat-release, heat-of-combustion characteristics Surface-burning characteristics
<b>COMPLIANCE STATEMENT:</b>	<b>Grip-Rite® ProWrap™ SA</b> , as produced by <b>PrimeSource Building Products, Inc.</b> , has demonstrated compliance with the <a href="#">Code sections noted herein</a> through testing in accordance with the referenced Standards, rational analysis and an ongoing quality assurance program. Compliance is subject to the <a href="#">Installation Requirements</a> and <a href="#">Limitations of Use</a> set forth herein.
<b>QUALITY ASSURANCE:</b>	Evidence of current quality assurance shall be listing and labeling in accordance with the requirements of <a href="#">NEMO cert.</a>
<b>CONTINUED COMPLIANCE:</b>	The NEMO Evaluation Report (henceforth 'NER') is valid until such time the named product(s) change, the referenced Quality Assurance changes, or the evaluated Code provisions change. NEMO Evaluations requires, at minimum, a complete review of this NER with each 3-year Code Cycle.
<b>BUILDING PERMIT REQUIREMENTS:</b>	As required by the Building Official or Authority Having Jurisdiction to evaluate the installation of this product.
<b>ADVERTISEMENT:</b>	"NEMO Evaluated" may be displayed in advertising literature. If any portion of the NER is displayed, it shall be displayed in its entirety.
<b>CERTIFICATION OF INDEPENDENCE:</b>	<ul style="list-style-type: none"> <li>✓ NEMO CERT, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.</li> <li>✓ NEMO CERT, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.</li> <li>✓ This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance.</li> </ul>





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## 1. CODES, PROPERTIES AND STANDARDS:

CODE	SECTION	PROPERTY	STANDARD	YEAR
2021 International Building Code (IBC)	104.11, R104.11, 1403.2(4), R703.2(4)	Provision for alternative materials; Water-resistive barrier	ICC-ES AC38	2016 (E2021)
2021 International Building Code, Residential (IRC)	1402.5(2)	Heat and visible smoke release rates	ASTM E1354	2017
	1402.5(2)	Surface burning characteristics	ASTM E84	2018
	1407.4.1, 2510.6.2, R703.7.3, R703.9.2(3)	Drainage efficiency	ASTM E2273	2018
2021 International Energy Conservation Code (IECC)	C402.5.1.3	Air leakage	ASTM E2178	2013

## 2. PRODUCTS:

TABLE 1A: EVALUATED PRODUCTS<sup>1</sup>

TYPE	PRODUCT	EVALUATION STANDARD	MFG. LOCATION <sup>1</sup>	DESCRIPTION	USE
BARRIER:	Grip-Rite® ProWrap™ SA	ICC-ES AC38 Sections 3.3, 3.5, 3.6, 4.3 and 5.3.2 (Exception 2)	ML2	Membrane comprised of two spun-bonded, non-woven polypropylene layers, with a vapor-porous film middle layer, and bottomside surfaced with a pressure-sensitive adhesive (PSA) and release film	The membrane serves as an alternative to the water-resistive barrier specified in IBC 1403.2, 2510.6.1(2) and 2510.6.2(2) and IRC R703.2, R703.7.3.1(2) and R703.7.3.2(2)

<sup>1</sup> Certified by ISO/IEC 17065 Certification Entity [NEMO|cert.](http://NEMO|cert.com)

TABLE 1B: TYPICAL NOMINAL PROPERTIES

PROPERTY		STANDARD	RESULTS	
Thickness		TAPPIT 441	19	mils
Dry braking force	MD	ASTM D5034	55	lbf
	XMD		40	lbf
Water resistance	Control	AATCC TM 127	Pass	No leakage on underside of specimens at 55-cm hydrostatic head for 5-hours
	Weathered (per AC38, 4.1)		Pass	
Water Vapor	Transmission	ASTM E96, Procedure A (Desiccant)	410	grams/m <sup>2</sup> per 24 hrs
	Permeance		60	U.S. perms
Surface burning characteristics	Flame-spread index	ASTM E84	0	Class A
	Smoke developed index		40	Class A
Fire response characteristics	Heat release	ASTM E1354	143	kW/m <sup>2</sup>
	Total heat released		5	MJ/m <sup>2</sup>
	Effective heat of combustion		16	MJ/kg
Air leakage rate	As air barrier material	ASTM E2178	0.02	L/(s·m <sup>2</sup> ) @75 Pa
Drainage efficiency		ASTM E2273	90	%

<sup>1</sup> Building officials, Designers of Record and other Authorities Having Jurisdiction may contact [contact@nemocert.com](mailto:contact@nemocert.com) to obtain manufacturing location information for products evaluated herein.



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### 3. INSTALLATION:

3.1 **Grip-Rite® ProWrap™ SA** shall be installed in accordance with **PrimeSource Building Products, Inc.** published installation instructions, subject to the [Limitations of Use](#) noted herein. Published installation instructions and a copy of this NER shall be available onsite at all times during installation.

3.2 Surface Preparation:

The substrate bonding surface shall be clean, dry, free of voids, oils, wax, dust or other bond-breaking substances. Consult **PrimeSource Building Products** for appropriate surface treatment options when deemed appropriate by the installer or Authority Having Jurisdiction.

Cracks, corners, joints, fasteners, vertical-to-horizontal junctures and penetrations of the walls to which **Grip-Rite® ProWrap™ SA** is applied shall be made watertight in accordance with the applicable code, to the satisfaction of **PrimeSource Building Products** and the Authority Having Jurisdiction, prior to installation.

3.3 Allowable Substrates:

TABLE 2: ALLOWABLE SUBSTRATES			
BARRIER		SUBSTRATE	
PRODUCT	APPLICATION	TYPE	MATERIAL
Grip-Rite® ProWrap™ SA	self-adhered	Barrier	Grip-Rite® ProWrap™ SA
		Wall / sheathing	plywood, OSB, vinyl, aluminum (anodized), DensGlass® Sheathing

3.4 Application:

**Grip-Rite® ProWrap™ SA** shall be installed in compliance with requirements for an approved water-resistive barrier material in IBC 1403.2, 2510.6.1(2) and 2510.6.2(2) and IRC R703.2, R703.7.3.1(2) and R703.7.3.2(2) for the type of exterior wall covering to be installed, the [Limitations of Use](#) herein and the manufacturer’s published installation instructions.

**Grip-Rite® ProWrap™ SA** is installed after wall sheathing is installed and before windows and doors are installed.

### 4. LIMITATIONS OF USE:

4.1 This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance. NERs are not to be construed as representing any attributes not specifically listed, nor are NERs to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by NEMO CERT, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.

4.2 In the event of conflict between this NER and the manufacturer’s published instructions, this report governs.

4.3 Evaluation Scope:

The NER scope is limited to the water-resistive barrier material.

**Grip-Rite® ProWrap™ SA** serves as an alternative to the water-resistive barriers specified in IBC 1403.2, 2510.6.1(2) and 2510.6.2(2) and IRC R703.2, R703.7.3.1(2) and R703.7.3.2(2).

The water-resistive barrier shall be covered with an exterior wall covering in accordance with the applicable Code to the satisfaction of the Authority Having Jurisdiction.

4.4 Application Temperature:

The membrane is to be applied only when ambient air and surface temperatures are above 20°F and below 122°F.

**Grip-Rite® ProWrap™ SA** has qualified a maximum temperature of Level 1 (122°F) through the elevated temperature exposure tests set forth in Section 6 of AAMA 711.

4.5 Combustibility / Height Limitations (IBC 1402.5):



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When used in buildings of Types I, II, III, or IV construction, the maximum height above grade-plane shall be 40 feet, unless the water-resistive barrier is the only combustible component in the wall assembly, as permitted **IBC 1402.5, Exceptions 1 and 2.**

#### 4.6 Exterior Plaster Applications IBC 2510.6.2 and R703.7.3:

When used over wood based sheathing in exterior plaster applications, the water-resistive barrier shall be separated from the stucco by:

For Dry-Climate Zones: a non-water-absorbing layer or a drainage space in accordance with IBC 2510.6.1(2) or IRC R703.7.3.1(2)

For Moist- or Marine-Climate Zones: a drainage space or drainage material in accordance with IBC 2510.6.2 or IRC R703.7.3.2

#### 4.7 Air Barrier Material (C402.5.1.3):

**Grip-Rite® ProWrap™ SA** has an air leakage rate not exceeding 0.02 L/s/m<sup>2</sup> at 75 Pa (0.004 cfm/ft<sup>2</sup> at 1.57 psf), and has qualified as an air barrier material in accordance with IECC C402.5.1.3.

- END OF NER -