

## DIVISION

07 00 00 – Thermal and Moisture Protection

## SECTION

07 42 43 – Composite Wall Panels

## REPORT HOLDER

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## EVALUATION SUBJECT

NATURCLAD-W

## 1.0. EVALUATION SCOPE

Compliance eligibility with the applicable sections of the follow building rating system:

LEED v4.1 for Building Design and Construction (BD+C) (See table 1 for details)

LEED v4.1 for Residential Multifamily Homes (See table 2 for details)

LEED v4.1 for Interior Design and Construction (See table 3 for details)

## 2.0. USES

NATURCLAD-W is used as a cladding material in curtain-type rear-ventilated façades. Panels are also used for suspended ceilings, jambs and access covers.

## 3.0. DESCRIPTION

The Wall Panel Cladding System is an open-jointed covering system that allows air to circulate between the panels and the interior or exterior cladding. The panels are mounted on a substructure of steel, aluminum or wooden battens.

## 4.0. RATING SYSTEM ELIGIBILITY

The information presented in tables 1 through 3 of this report provide a matrix of areas of evaluation and corresponding limitations and/or additional project-specific requirements, and offers benefits to individuals who are assessing eligibility for credits or points.

The final interpretation of the specific requirements of the green building rating system rests with the developer of that specific rating system or the authority having jurisdiction (AHJ), as applicable.

Compliance for items noted as “Verified Attribute” is subjected to any conditions noted in the tables. Decisions on compliance for those items noted as “Eligible for points” in tables 1, through 3 rests with the user of this report, and those items are subjected to the conditions noted.

**TABLE 1** SUMMARY OF AREA OF ELIGIBILITY WITH USGBC'S LEED v4.1 FOR BUILDING DESIGN AND CONSTRUCTION (BD+C)





SECTION NUMBER	SECTION INTENT	POSSIBLE POINTS	CONDITIONS OF USE TO QUALIFY FOR POINTS	NATURCLAD-W
Materials and Resources (MR)	Environmental Product Declarations To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts.	1	Environmental Product Declarations which conform to ISO 14025 and EN 15804, and have at least a cradle to gate scope.	<p>Eligible for points</p> <p>NATURCLAD-W has a third-party verified EPD conform to ISO 14025 and EN 15804.</p> 
	Sourcing of raw materials To reward project teams for selecting products verified to have been extracted or sourced in a responsible manner.	1 - 2	Wood products. Wood products must be certified by the Forest Stewardship Council or USGBC approved equivalent.	<p>Eligible for points</p> <p>NATURCLAD-W can be supplied PEFC Certified according to the certificate AEN-PEFC-COC-0003</p> 
	Furniture and Medical Resources To enhance the environmental and human health performance attributes associated with freestanding furniture and medical furnishings	1 - 2	<p>Minimal Chemical Content:</p> <p>All components that constitute at least 5%, by weight, contain less than 100 ppm of:</p> <ul style="list-style-type: none"> <li>• urea formaldehyde;</li> <li>• heavy metals, including mercury, cadmium, lead, and antimony;</li> <li>• hexavalent chromium in plated finishes consistent with the European Union Directive on the Restriction of the Use of Certain Hazardous Substances (EU RoHS);</li> <li>• stain and nonstick treatments derived from perfluorinated compounds (PFCs), including perfluorooctanoic acid (PFOA); and</li> <li>• added antimicrobial treatments.</li> </ul> <p>Building Product Disclosure and Optimization:</p> <p>Environmental Product Declarations which conform to ISO 14025 and EN 15804, and have at least a cradle to gate scope.</p>	<p>Eligible for points.</p> <p>NATURCLAD-W does not contain those components.</p> <p>NATURCLAD-W has a third-party verified EPD conform to ISO 14025 and EN 15804.</p> 
Indoor Environmental Quality (EQ)	Low-emitting Materials To reduce concentrations of chemical contaminants that can damage air quality and the environment, and to protect the health, productivity, and comfort of installers and building occupants.	1	<p>VOC emissions evaluation</p> <p>Product has been tested according to California Department of Public Health (CDPH) Standard Method v1.2-2017 and complies with the VOC limits in Table 4-1 of the method. Additionally, the range of total VOCs after 14 days (336 hours) was measured as specified in the CDPH Standard Method v1.2 and is reported (TVOC ranges: 0.5 mg/m3 or less, between 0.5 and 5 mg/m3, or 5 mg/m3 or more).</p>	<p>Eligible for points</p> <p>NATURCLAD-W is reported to be 0.5mg/m3 or less (Private Office, School Classroom, Residence.)</p> 

TABLE 2 SUMMARY OF AREA OF ELIGIBILITY WITH USGBC’S LEED v4.1 FOR RESIDENTIAL (BD+C) MULTIFAMILY HOMES




SECTION NUMBER	SECTION INTENT	POSSIBLE POINTS	CONDITIONS OF USE TO QUALIFY FOR POINTS	NATURCLAD-W
Materials and Resources (MR)	Environmentally preferable products	1 - 2	Option 1: Environmentally Preferable Products Option 2: Environmental Product Declarations Option 3. Sourcing of Raw Materials	Eligible for points  NATURCLAD-W can be supplied PEFC Certificated according to the certificate AEN- PEFC-COC-0003
	To increase demand for products or building components that minimize material consumption through recycled and recyclable content, reclamation, or overall reduced life-cycle impacts.		Wood products. Wood products must be certified by the Forest Stewardship Council or USGBC approved equivalent  Environmental Product Declarations which conform to ISO 14025 and EN 15804, and have at least a cradle to gate scope.	  NATURCLAD-W has a third-party verified EPD conform to ISO 14025 and EN 15804  
Environmental Quality (EQ)	Low-emitting Materials	1	VOC emissions evaluation  Product has been tested according to California Department of Public Health (CDPH) Standard Method v1.2–2017 and complies with the VOC limits in Table 4-1 of the method. Additionally, the range of total VOCs after 14 days (336 hours) was measured as specified in the CDPH Standard Method v1.2 and is reported (TVOC ranges: 0.5 mg/m3 or less, between 0.5 and 5 mg/m3, or 5 mg/m3 or more).	Eligible for points  NATURCLAD-W is reported to be 0.5mg/m3 or less (Private Office, School Classroom, Residence.)  

TABLE 3

SUMMARY OF AREA OF ELIGIBILITY WITH USGBC'S LEED FOR INTERIOR DESIGN AND CONSTRUCTION

SECTION NUMBER	SECTION INTENT	POSSIBLE POINTS	CONDITIONS OF USE TO QUALIFY FOR POINTS	NATURCLAD-W
Materials and Resources (MR)	Environmental Product Declarations  To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts.	1	Environmental Product Declarations which conform to ISO 14025 and EN 15804, and have at least a cradle to gate scope	NATURCLAD-W has a third-party verified EPD conform to ISO 14025 and EN 15804  
	Sourcing of raw materials  To reward project teams for selecting products verified to have been extracted or sourced in a responsible manner	1 - 2	CI, Retail CI & Hospitality CI  Wood products. Wood products must be certified by the Forest Stewardship Council or USGBC approved equivalent.	Eligible for points  NATURCLAD-W can be supplied PEFC Certified according to the certificate AEN-PEFC-COC-0003  
Indoor Environmental Quality (EQ)	Low-emitting Materials To reduce concentrations of chemical contaminants that can damage air quality and the environment, and to protect the health, productivity, and comfort of installers and building occupants.	1	CI, Retail CI & Hospitality CI  VOC emissions evaluation  Product has been tested according to California Department of Public Health (CDPH) Standard Method v 1.2-2017 and complies with the VOC limits in Table 4-1 of the method. Additionally, the range of total VOCs after 14 days (336 hours) was measured as specified in the CDPH Standard Method v1.2 and is reported (TVOC ranges: 0.5 mg/m3 or less, between 0.5 and 5 mg/m3, or 5 mg/m3 or more).	Eligible for points  NATURCLAD-W is reported to be 0.5mg/m3 or less (Private Office, School Classroom, Residence.)  