

DIVISION

07 00 00 – Thermal and Moisture Protection

SECTION

07 42 43 – Composite Wall Panels

REPORT HOLDER

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EVALUATION SUBJECT

NATURHARDPANEL-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

NATURHARDPANEL-W is used as internal finishes in walls or ceilings.

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

NATURHARDPANEL-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.

Eligible for points

NATURHARDPANEL-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

Option 1: Wood products.
Wood products must be certified by the Forest Stewardship Council or USGBC approved equivalent.

Eligible for points

NATURHARDPANEL-W can be supplied PEFC Certificated according to the certificate AEN-PEFC-COC-0003



Furniture and Medical Resources

To enhance the environmental and human health performance attributes associated with freestanding furniture and medical furnishings.

1 - 2

Minimal Chemical Content:
All components that constitute at least 5%, by weight, contain less than 100 ppm of:
• urea formaldehyde;
• heavy metals, including mercury, cadmium, lead, and antimony;
• hexavalent chromium in plated finishes consistent with the European Union Directive on the Restriction of the Use of Certain Hazardous Substances (EU RoHS);
• stain and nonstick treatments derived from perfluorinated compounds (PFCs), including perfluorooctanoic acid (PFOA); and
• added antimicrobial treatments.

Eligible for points.

NATURHARDPANEL-W does not contain those components. NATURHARDPANEL-W has a third-party verified EPD conform to ISO 14025 and EN 15804.



Material Ingredient

To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances.

1

Material Ingredient Reporting

Health Product Declaration. The end use product has a published and complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.

NATURHARDPANEL-W has a third-party verified HPD

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

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

NATURHARDPANEL-W is reported to be 0.5mg/m3 or less (School Classroom)



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	NATURHARDPANEL-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 NATURHARDPANEL-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.	 NATURHARDPANEL-W has a third-party verified EPD conform to ISO 14025 and EN 15804  THE INTERNATIONAL EPD® SYSTEM
Indoor Environmental Quality (EQ)	Low-emitting Materials	1	VOC emissions evaluation	Eligible for points NATURHARDPANEL-W is reported to be 0.5mg/m3 or less (School Classroom)
	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.		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).	

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	NATURHARDPANEL-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	NATURHARDPANEL-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 NATURHARDPANEL-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 NATURHARDPANEL-W is reported to be 0.5mg/m3 or less (School Classroom) 