

LEEDv4 Criteria Worksheet Carnegie XOREL ARTFORM

Please complete the form and provide required information. **Provide supporting documentation to verify claims stated below.** Carnegie Fabrics seeks to support the achievement of LEEDv4 requirements by utilizing the information provided on this form, to ensure project will meet LEED requirements.

LOW-EMITTING MATERIALS: (Building Interiors)

The building interior is defined as everything within the weatherproofing membrane, and low-emitting requirements are applicable to interior paints and coatings, interior adhesives and sealants, flooring, composite wood, ceilings, walls, thermal and acoustical insulation, and furniture.

Is this product in compliance with the emissions and content requirements listed below?

- INHERENTLY NON-EMITTING SOURCES:** Products are inherently non-emitting sources of VOCs (stone, ceramic, powder coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood flooring). Yes No

If yes, stop here.

- INTERIOR PAINT or COATING,** wet-applied on site Yes No

If yes, is it compliant with the emissions and content requirements listed below?

General Emissions Evaluation: Compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1-2010 using applicable exposure scenario. Yes No

Manufacturer's Claim of Compliance: The range of total VOCs after 14 days (336 hours) as measured in CDPH Standard Method v1.1-2010. Select one:

- 1) 0.5 mg/m³ or less
- 2) between 0.5 and 5.0 mg/m³
- 3) 5.0 mg/m³ or more

Paints and Coatings: Compliant with VOC content according to (CARB) 2007 for architectural coatings OR (SCAQMD) Rule 113, effective June 3, 2011. Yes No

- INTERIOR ADHESIVE or SEALANT,** wet-applied on site Yes N/A

If yes, is it compliant with the emissions and content requirements listed below?

General Emissions Evaluation: Compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1-2010 using applicable exposure scenario. Yes No

Manufacturer's Claim of Compliance: The range of total VOCs after 14 days (336 hours) as measured in CDPH Standard Method v1.1-2010.

Select
 one:

- 1) 0.5 mg/m³ or less
- 2) between 0.5 and 5.0 mg/m³
- 3) 5.0 mg/m³ or more

• **FLOORING**

Yes N/A X

If yes, is it in compliance with the emissions and content requirements listed below?

General Emissions Evaluation: Compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1-2010 using applicable exposure scenario.

Yes No

Manufacturer's Claim of Compliance: The range of total VOCs after 14 days (336 hours) as measured in CDPH Standard Method v1.1-2010.

Select
 one:

- 1) 0.5 mg/m³ or less
- 2) between 0.5 and 5.0 mg/m³
- 3) 5.0 mg/m³ or more

• **COMPOSITE WOOD**

Yes N/A X

If yes, is it compliant with the limits set by the following:

Air Resources Board ATCM for formaldehyde requirements for ultra-low-emitting formaldehyde (ULEF) resin OR no added formaldehyde resins.

Yes No

General Emissions Evaluation: Compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1-2010 using applicable exposure scenario.

Yes No

Manufacturer's Claim of Compliance: The range of total VOCs after 14 days (336 hours) as measured in CDPH Standard Method v1.1-2010.

Select
 one:

- 1) 0.5 mg/m³ or less
- 2) between 0.5 and 5.0 mg/m³
- 3) 5.0 mg/m³ or more

• **CEILING, WALL, or a THERMAL, or ACOUSTIC INSULATION**

Yes X N/A

If yes, is it compliant with the following:

California Department of Public Health (CDPH) Standard Method v1.1-2010 using applicator exposure scenario.

Yes No

Manufacturer's Claim of Compliance: The range of total VOCs after 14 days (336 hours) as measured in CDPH Standard Method v1.1-2010.

Select one:

- 1) 0.5 mg/m³ or less
- 2) between 0.5 and 5.0 mg/m³
- 3) 5.0 mg/m³ or more

Tier 2

ENVIRONMENTAL PRODUCT DECLARATION (EPD):

Is one of the declarations below available for this product?

- Product specific, with publicly available, critically reviewed life-cycle assessment, with cradle-to-gate scope and in compliance with ISO 14025, 14040, 14044, and 21930 Yes No
- Industry-wide **generic** declaration Type III in compliance with ISO 14025, 14040, 14044, and 21930 with third party certification with verification Yes No
- Product **specific** Type III declaration, with verification, in compliance with ISO 14025, 14040, 14044, and 21930 Yes No

RAW MATERIAL SOURCE AND EXTRACTION REPORTING:

Does this product have a publicly released report from the manufacturer's raw material suppliers in the form of one of the following Corporate Sustainability Reports (CSR)? Yes No

If **yes**, select one of the following:

- Global Reporting Initiative (GRI) Sustainability Report Yes No
- Organization for Economic Cooperation and Development (OECD) Guidelines for Multinational Enterprises Yes No
- U.N. Global Compact: Communication of Progress Yes No
- ISO 26000: 2010 Guidance on Social Responsibility Yes No
- Self-Declared Report Yes No

MATERIAL INGREDIENT REPORTING:

Does the manufacturer use any of the following programs to demonstrate the chemical inventory of the product? Yes No

If **yes**, indicate which of the following:

- Chemical Abstract Service Registration Number (CASRN) Yes No
- Health Product Declaration Yes No

- **Cradle-to-Cradle** certified at a minimum v2 Basic Level OR v3 Bronze Level Yes No

If yes, does the compliant product have chemicals inventoried to at least 0.1% (1,000 ppm)? Yes No

MULTI-ATTRIBUTE OPTIMIZATION:

Does the manufacturer use a third party organization to certify their products? Yes No

If yes, does this product demonstrate impact reduction (below industry average) in at least three of the following categories? Yes No

If yes, indicate which of the following:

- global warming potential (greenhouse gases), in CO₂e Yes No
- depletion of the stratospheric ozone layer, in kg CFC-11 Yes No
- acidification of land and water sources, in moles H⁺ or kg KO₂ Yes No
- eutrophication, in kg nitrogen or kg phosphate Yes No
- formation of tropospheric ozone, in kg NO_x or kg ethane Yes No
- depletion of nonrenewable energy resources, in MJ Yes No

MATERIAL INGREDIENT OPTIMIZATION:

Does the product have documentation of the material ingredient optimization? Yes No

If yes, select which of the following is applicable:

- **GreenScreen v1.2** Benchmark: Fully inventoried chemical ingredients to 100 ppm and no ingredients have Benchmark 1 hazards as defined by the Green Screen List Translator Yes No
- All ingredients have undergone a full **GreenScreen Assessment** Yes No
- Cradle-to-Cradle Certified:
 - V2 Gold** Level Yes No
 - V2 Platinum** Level Yes No
 - V3 Silver** Level Yes No
 - V3 Gold** or **Platinum** Level Yes No
- International Alternative Compliance Path - REACH Optimization: Product does not contain substances of very high concern that meet REACH criteria and contains no ingredients listed on the REACH Authorization or Candidate List Yes No

PRODUCT MANUFACTURER SUPPLY CHAIN OPTIMIZATION:

Are products sourced from manufacturers who engage in validated health, hazard, and risk programs which document at least 99% (by weight) of the ingredients used to make the building product? Yes No

AND

Are products sourced from manufacturers with independent third party verification of their supply chain that verifies at a minimum? Yes No

If yes, select applicable statements below:

- Processes are in place to communicate and transparently prioritize chemical ingredients along the supply chain according to available hazard, exposure, and use information to those that require more detailed evaluation Yes No
- Processes are in place to identify, document, and communicate information on health, safety, and environmental characteristics of chemical ingredients Yes No
- Processes are in place to implement measures to manage the health, safety, and environmental hazard and risk of chemical ingredients Yes No
- Processes are in place to optimize health, safety, and environmental impacts when designing and improving chemical ingredients Yes No
- Processes are in place to communicate, receive, and evaluate chemical ingredient safety and stewardship information along the supply chain Yes No
- Safety and stewardship information about the chemical ingredients is publicly available from all points along the supply chain Yes No

More information on LEED requirements can be found in the LEEDv4 CI Reference Guide, online at <http://www.usgbc.org/credits>

* sourced = extracted, manufactured, or purchased within 100 miles or 500 miles

