

RAPID SELECT - GRAPH 5T227 TILE

Checklist LEED v4 Materials and Resources Building Products Disclosure and Optimisation credits

Environmental Product declarations

1) Does your Product have Environmental Product Declarations which conform to ISO 14025, 14040, 14044, and EN 15804 or ISO 21930 and have at least a cradle to gate scope?

☒ YES

☐ NO

2) What kind of EPD does your product have?

- ☒ Product-specific Type III EPD – Products with (with Product Category Rule- PCR) third-party certification (Type III), including external verification in which the manufacturer is explicitly recognized as the participant by the program operator
- ☐ Industry-wide (generic) EPD – Products with third-party certification (Type III), including external verification, in which the manufacturer is explicitly recognized as a participant by the program operator
- ☐ publicly available, critically reviewed life-cycle assessment conforming to ISO 14044 that have at least a cradle to gate scope
- ☐ USGBC approved program – Products that comply with other USGBC approved environmental product declaration frameworks.

(Provide relevant EPD or other documents and website links)

TASKWORX™ EPD www.environmental.com/Detail/?Epd=13798
Sourcing of Raw Materials

1) Does your Company have publicly released a report from their raw material suppliers which include raw material supplier extraction locations, a commitment to long-term ecologically responsible land use, a commitment to reducing environmental harms from extraction and/or manufacturing processes, and a commitment to meeting applicable standards or programs voluntarily that address responsible sourcing criteria.

OR

Third-party verified corporate sustainability reports (CSR) which include environmental impacts of extraction operations and activities associated with this product and the product's supply chain using any of the following frameworks

- ☒ Global Reporting Initiative (GRI) Sustainability Report
- ☐ Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- ☐ U.N. Global Compact: Communication of Progress
- ☐ ISO 26000: 2010 Guidance on Social Responsibility
- ☐ USGBC approved program: Other USGBC approved programs meeting the CSR criteria

YES ☒

☐ NO

If Yes (Provide relevant CSR document and website links)

2016 SUSTAINABILITY REPORT - SHAW INDUSTRIES GROUP, INC.

IF NOT

2) Does the product satisfy any of the following?

- ☐ **Extended producer responsibility.** participates in an extended producer responsibility program or is directly responsible for extended producer responsibility.
- ☐ **Bio-based materials.** Bio-based products must meet the Sustainable Agriculture Network's Sustainable Agriculture Standard. Bio-based raw materials must be tested using ASTM Test

Method D6866 and be legally harvested, as defined by the exporting and receiving country. Exclude hide products, such as leather and other animal skin material.

- ☐ **Wood products.** Wood products must be certified by the Forest Stewardship Council or USGBC-approved equivalent.
- ☐ **Recycled content.** Recycled content is the sum of postconsumer recycled content plus one-half the Pre-consumer recycled content, based on cost (provide documentation from manufacturer) (Recycled content claims for products must conform to the definition in ISO 14021–1999, Environmental Labels and Declarations, Self-Declared Environmental Claims (Type II Environmental Labeling))
- ☐ **USGBC approved program.** Other USGBC approved programs meeting leadership extraction criteria

(Provide valid documentation from manufacturer)

- ☐ (Provide documentation if the product is extracted, manufactured, and purchased within 100 miles (160 km) of the project site)

Material Ingredient Reporting

Chemical inventory demonstration of the product to at least 0.1% (1000 ppm).

YES ☒

NO ☐

Which framework is used?

- ☐ Health Product Declaration open standard
- ☒ Cradle to Cradle
- ☐ Declare
- ☐ ANSI/BIFMA e3 Furniture Sustainability Standard
- ☐ USGBC approved Program

(Please check your level of certification in any of the above programs matches to LEEDv4 requirement)

Low Emitting Materials

Product category

- ☐ Interior paints and coatings applied on site
- ☐ Interior adhesives and sealants applied on site (including flooring adhesive)
- ☒ Flooring
- ☐ Composite wood
- ☐ Ceilings, walls, thermal, and acoustic insulation

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- ☐ The product is inherently non-emitting- (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood flooring) and do not include integral organic based surface coatings, binders, or sealants

IF NOT

- ☐ Building products are tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1–2010, using the applicable exposure scenario. The default scenario is the private office scenario. (The manufacturer's or third-party certification must state the exposure scenario used to determine compliance. Claims of compliance for wet-applied products must state the amount applied in mass per surface area.)

AND

- ☐ state the range of total VOCs after 14 days (336 hours), measured as specified in the CDPH Standard Method v1.1:

(• 0.5 mg/m³ or less; • between 0.5 and 5.0 mg/m³; or • 5.0 mg/m³ or more)

Products may also be tested and deemed compliant in accordance with either (1) the CDPH standard method (2010) or (2) the German AgBB Testing and Evaluation Scheme (2010). Test products either with (1) the CDPH

Standard Method (2010), (2) the German AgBB Testing and Evaluation Scheme (2010), (3) ISO 16000-3: 2010, ISO 16000-6: 2011, ISO 16000-9: 2006, ISO 16000-11:2006 either in conjunction with AgBB, or with French legislation on VOC emission class labeling, or (4) the DIBt testing method (2010). If the applied testing method does not specify testing details for a product group for which the CDPH standard method does provide details, use the specifications in the CDPH standard method.

TESTING COMPLIANT WITH (2) GERMAN AgBB TESTING & EVALUATION SCHEME.
AND

☒ Disclosure of VOC content to be made by the manufacturer

TVOG < 1000 ug/m³ AFTER 28 DAYS.

☐ Paints and coatings wet-applied on site meet the applicable VOC limits of the California Air Resources Board (CARB) 2007, Suggested Control Measure (SCM) for Architectural Coatings, or the South Coast Air Quality Management District (SCAQMD) Rule 1113, effective June 3, 2011.

☐ Adhesives and sealants wet-applied on site meet the applicable chemical content requirements of SCAQMD Rule 1168, July 1, 2005, Adhesive and Sealant Applications, as analyzed by the methods specified in Rule 1168. The provisions of SCAQMD Rule 1168 do not apply to adhesives and sealants subject to state or federal consumer product VOC regulations.

(All paints, coatings, adhesives, and sealants wet-applied on site must either meet the technical requirements of the above regulations, or comply with applicable national VOC control regulations, such as the European Deco paint Directive (2004/42/EC), the Canadian VOC Concentration limits for Architectural Coatings, or the Hong Kong Air Pollution Control (VOC) Regulation. If the applicable regulation requires subtraction of exempt compounds, any content of intentionally added exempt compounds larger than 1% weight by mass (total exempt compounds) must be disclosed.

.. If a product cannot reasonably be tested as specified above, testing of VOC content must comply with ASTM D2369-10; ISO 11890, part 1; ASTM D6886-03; or ISO 11890-2.)

☐ Composite Wood Evaluation. Composite wood, as defined by the California Air Resources Board, Airborne Toxic Measure to Reduce Formaldehyde Emissions from Composite Wood Products Regulation, must be documented to have low formaldehyde emissions that meet the California Air Resources Board ATCM for formaldehyde requirements for ultra-low-emitting formaldehyde (ULEF) resins or no added formaldehyde resins. For projects outside the U.S., composite wood must be documented not to exceed a concentration limit of 0.05 ppm of formaldehyde (0.06 mg/m²-h when expressed as emission rate) as tested either following EN-717-1:2004, following ISO 16000-3: 2010, ISO 16000-6: 2011, ISO 16000-9: 2006, ISO 16000-11:2006, or following CEN/TS 16516: 2013 either in conjunction with AgBB or with Belgian or French legislation on VOC emission class labeling.

Provide documentation (MSDS, test results etc. for the relevant sections)