

Product Transparency and Sustainability

Aim of Credit

To encourage sustainability and transparency in product specification.

Credit Criteria

1	Product Transparency and Sustainability	<p>Up to 3 points are awarded when products meet transparency and sustainability requirements under one of the following initiatives:</p> <p>1.1 Reused Products 1.2 Environmental Product Declarations 1.3 Third-Party Certification 1.4 Stewardship Programs 1.5 Manufacturer ISO 14001 certification</p> <p>Points are calculated based percentage of compliant products. This is demonstrated by the Product Score (PS), which is the value of the compliant products multiplied by the Product Sustainability Factor, divided by the Project Contract Value (PCV).</p> <table><tr><th>Points</th><th>% Compliant Products (100*PS/PCV)</th></tr><tr><td>1</td><td>3%</td></tr><tr><td>2</td><td>6%</td></tr><tr><td>3</td><td>9%</td></tr></table>	Points	% Compliant Products (100*PS/PCV)	1	3%	2	6%	3	9%
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Do you agree with 3 points being awarded for 9% compliance (by cost)? If not, what scoring benchmarks would you suggest?

Compliance Requirements

1. Product Transparency and Sustainability

Points are calculated by completion of the Product Transparency and Sustainability Calculator.

Product Sustainability Factor

To calculate the value of product that counts towards credit points, the cost of the product is multiplied by a cost factor that reflects the benefit of the initiative.

Transparency and Sustainability Initiative	Product Sustainability Factor
Reused Product	1
Recycled Product	Fraction of product that is recycled material
Product has Type A Third Party Certification	1
Product has Type B Third Party Certification	0.75
Product has Type C Third Party Certification	0.5
Environmental Product Declarations - product-specific	0.5
Environmental Product Declarations – industry-wide	0.25
Stewardship Program	0.5
Manufacturer ISO 14001 Certification	0.25

Table 1: Cost Factors

Project Contract Value

Project Contract Value is the dollar value that will be required to complete the works for the entire Green Star-rated project, including site works (landscaping, external paving, etc.). The following items must be excluded from this definition:

- Demolition works;
- Consultants, design fees, project management fees;
- Works outside the project site area; and
- Buildings or areas within the site that are not being assessed for purposes of Green Star.

All building projects and materials may be included in this credit, apart from the exceptions below. Typical products and materials that may be included are:

- Loose furniture
- Fixed furniture
- Internal Partitions
- Assemblies
- Joinery
- Flooring
- Wall coverings
- Cladding
- Masonry
- Glazing
- Timber products not included in the Sustainable Sourcing and Supply Chain of Building Materials Credit
- Steel products not included in the Sustainable Sourcing and Supply Chain of Building Materials Credit
- Concrete products not included in the Sustainable Sourcing and Supply Chain of Building Materials Credit

Products and materials excluded from this credit

- Items that have been included in the Responsible Sourcing and Supply Chain of Building Materials Credit
- Paint finishes

1.1 Reused Products

Reused products are items that have been previously used and are incorporated in the project without significant changes to the structure or function of the item.

Cleaning, making good, repairs, recovering and resurfacing are allowed.

1.2 Third Party Certification

The certification schemes in Table 2 have been assessed against the Framework for Product Certification Scheme and meet the requirements for the Third Party Certification criterion in this credit. Other certification schemes can apply for assessment. For more information, refer to the Product Certification Project information page on the GBCA website.

<http://www.gbca.org.au/green-star/materials-category/product-certification-project/2292.htm>

Certification Scheme	Awarding Organisation
GreenTag	Ecospecifier
GreenRate	Ecospecifier
Green Tick	Australasian Furniture Research and Development Institute
Good Environmental Choice Australia	
Sustainable Materials Rating Technology	The Institute for Market Transformation to Sustainability

Table 2: Current GBCA recognised Product Certification Schemes

Product Certification Schemes are assigned levels according to the sustainability benefits that they demonstrate. The Cost weighting factor reflects the benefits and level of transparency of the different Certified Product Levels.

1.3 Stewardship Programs

Product stewardship programs encourage projects and suppliers to share responsibility for the effective reduction, reuse, recycling or recovery of products. It also helps manage environmental harm arising from the product when it becomes waste.

For the purpose of this credit, Products stewardship programs are demonstrated with a product stewardship contract. The two types of Product Stewardship contract for a leased item and a purchased item are defined below.

Product Stewardship Contract – Leased Item

- Contract between supplier and building owner or tenant
- Supplier agrees to collect item at the lease end for re-lease, re-use or recycling
- Contract is not to include exemptions which relate to timing, quality or quantity that will be accepted for collection

Product Stewardship Contract – Purchased Item

- Contract between supplier and building owner or tenant
- Supplier agrees to collect item at the end of use for re-lease, re-use or recycling
- Contract is not to include exemptions which relate to timing, quality or quantity that will be accepted for collection

1.4 Environmental Product Declarations (EPDs)

There are several independent EPD schemes operating globally, providing services associated with the release and publishing of EPDs on behalf of participants. EPD schemes can differ, amongst other aspects, in the life cycle stages considered and whether the EPDs are independently verified.

Only EPDs published by schemes that consider a minimum cradle to gate scope and include independent verification are recognised in this credit. Published EPDs shall confirm compliance to listed standards and include the scope considered and by whom the EPD was verified

For compliance with this credit, two options are recognised as follows:

1.4.1 Products with a product-specific, third-party verified EPDs:

- The EPD is audited by an independent EPD scheme operating in conformance to ISO 14040, ISO 14044, ISO 14025 and/or EN15804 and/or ISO 21930.
- The EPD is based on a cradle to gate scope at minimum.

1.4.2 Products with an industry-wide, third-party verified EPDs:

- The EPD is audited by an independent EPD scheme operating in conformance to ISO 14040, ISO 14044, ISO 14025 and/or EN15804 and/or ISO 21930.
- The product manufacturer is recognised as a participant in the EPD;
- The EPD is based on a cradle to gate scope at minimum.

1.5 Manufacturer ISO 14001 Certification

ISO 14001 certification is a management tool that provides a framework for an organisation to administer and controls its environmental impacts and compliance with regulations.

To qualify for this criterion, products must be purchased from a manufacture or supplier that holds a compliant ISO 14001 certification. The ISO 14001 certification must address at least the following aspects in its scope:

- Waste
- Energy
- Emissions
- Materials

Are there any other product transparency or sustainability schemes that should be included in this credit? Please describe the scheme and the benefits that it would bring to a building project.

Guidance

Standards noted in this credit

- EN 15804 Sustainability of Construction Work - Environmental Product Declarations - Core Rules for the Category of Construction Products.
- ISO 14025 Environmental labels and declarations - Type III environmental declarations -
- Principles and procedures
- ISO 14040 Environmental management - Life cycle assessment - Principles and framework
- ISO 14044 Environmental management - Life cycle assessment - Requirements and guidelines
- ISO 21930 Sustainability in building construction - Environmental declaration of building products Definitions

Documentation Requirements

'Design Review' Submission (Optional)

Project teams are to submit information / documentation marked with an asterisk* for 'Design Review'

As Built Submission

All project teams are to submit the following documentation:

Submission Template*

- Project Cost*
- Value of compliance products as calculated by the Product Transparency and Sustainability Calculator*
- Description of the products that are included in the credit submission*

Product Transparency and Sustainability Calculator*

Project teams are required to provide documentation supporting credit compliance. The following documents may be used to demonstrate compliance.

- **Confirmation of Project Cost from Quantity Surveyor** or other qualified professional of
- **Confirmation from supplier** that products supplied are recycled, their recycled content and cost
- **Certificates for certified products** confirming cost and certification level

Please provide your comments on the technical content of this credit:

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