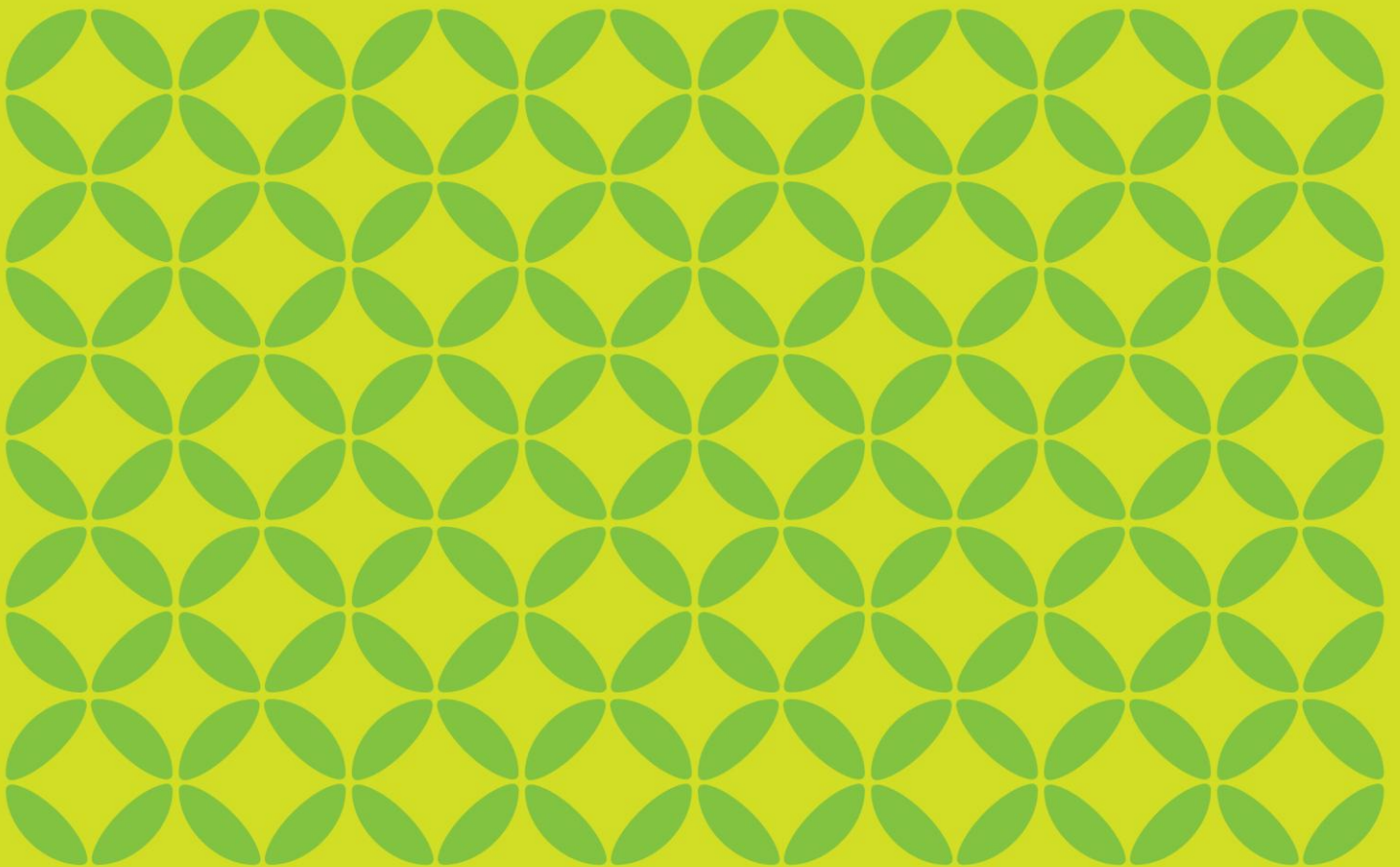


Exposure to Toxins certification scheme index



Version 3
07 May 2026

Introduction

Version control

Version	Date	Description
Version 1	07/09/2021	Initial release
Version 2	14/04/2026	Updated to include additional initiatives and the <i>Green Star Fitouts Toxin Limits</i>
Version 3	07/05/2026	Updated to correct Living Future standards and clarify Cradle to Cradle standards

Use of trademarks

All third-party trademarks are the property of their respective owners. All third-party trademarks referenced in this document are used in an editorial fashion and not to the detriment of the trademark holders.

Intellectual Property Rights & Confidentiality

© Copyright Green Building Council of Australia

No part of this document or the information contained within it may be (a) used for any purpose other than that stated within this document by the recipient (b) reproduced, transmitted or translated in any form or by any means, electronic, mechanical, manual, optical or otherwise, without prior written permission of Green Building Council of Australia.

Purpose of document

This document has been prepared for use in the Exposure to Toxins credit in Green Star Buildings, the Low Toxin Materials credit in Green Star Fitouts and the Indoor Pollutants credits in *Green Star – Design & As Built*, *Green Star – Interiors* and *Green Star – Railway Stations*.

Information in the *Recognised product certification schemes and standards* section of the document was previously available on the GBCA website page 'Recognised product certification schemes and standards' and contains a list of certification schemes and standards that meet the requirements of the credit.

The *Green Star Fitouts Toxin Limits* section of the document covers the limits applicable to the Low Toxin Materials Procurement criterion in the Low Toxin Materials credit in Green Star Fitouts.

For the purposes of the Sustainable Products credit in *Green Star – Design & As Built*, *Green Star – Interiors* and *Green Star – Railway Stations*, project teams should refer to [FAQ F-00340](#) to determine which third party certification schemes are considered levels A, B and C.

Updates to this document

It is intended that the VOC credit in the future iterations of the Responsible Products Guidelines will align with the Exposure to Toxins / Low Toxin Materials / Indoor Pollutant credits. As such, this document may be retired and project teams can refer to the Responsible Products Program on whether a product certification scheme meets the noted credits. Further guidance will be provided upon the release of the next revision of the Responsible Products Guidelines.

Recognised product certification schemes and standards

Australasian Furnishing Research and Development Institute

- AFRDI Standard 150 Sustainability Standard Commercial Furniture March 2012 - Green Tick Level C/Silver
- AFRDI Standard 150 Sustainability Standard Commercial Furniture March 2012 - Green Tick Level B/Gold
- AFRDI Standard 150 Sustainability Standard Commercial Furniture March 2012 - Green Tick Level A/Platinum

The Carpet and Rugs Institute

- Green Label Plus (June 2025)

Carpet Institute of Australia

- Australian Carpet Classification Scheme Incorporating The Environmental Certification Scheme Technical Guidelines v1.2 - Level 2
- Australian Carpet Classification Scheme Incorporating The Environmental Certification Scheme Technical Guidelines v1.2 - Level 3
- Australian Carpet Classification Scheme Incorporating The Environmental Certification Scheme Technical Guidelines v1.2 - Level 4 (two options)
- Australian Carpet Classification Scheme Environmental Certification Scheme for Carpets v2.2 – Level 1 or greater
- Australian Carpet Classification Scheme Environmental Certification Scheme for Adhesives v1.0 – Level 1 or greater

Cradle to Cradle

- Cradle to Cradle Certified Product Standard v4.1 and v5.0 Silver, Gold or Platinum
- Cradle to Cradle Material Health Standard v4.1 and v5.0 Silver, Gold or Platinum

Eco Choice Aotearoa (formerly Environmental Choice New Zealand)

- EC-25-17 and EC-25-25 - Building Insulants
- EC-32-17 and EC-32-25 - Furniture, Fittings and Flooring
 - Including EC-32-17 and EC-32-25 Supplementary Modules as relevant
- EC-07-18 and EC-07-25 - Paints

Engineered Wood Products Association of Australia

- EWPA Product Certified to a formaldehyde emission classification of E0 or Super E0 is deemed to satisfy the requirements of the *Engineered Wood Products* criterion only

GEV Emicode

- GEV Emicode class EC1 Plus, EC1 and EC2 is deemed to satisfy the requirements of the *Engineered Wood Products* criterion only

Good Environmental Choice Australia (GECA)

- GECA AFS v4.0ii-2014 Adhesives, Fillers and Sealants
- GECA BIM v2.0i-2018 - 'Building Insulation Materials'
- GECA C v3.0-2021 - 'Carpets'
- GECA CCCP v1.0ii-2017 - 'Cement, Concrete and Concrete Products'
- GECA FC v3.0-2021 - 'Floor Coverings'
- GECA FF v3.1i-2017 'Furniture and Fittings'
- GECA FF v3.0-2017 - 'Furniture and Fittings'
- GECA FFFM v3.0i-2017 - 'Furniture, Fittings, Foam and Mattresses'
- GECA HS v2.0i-2019 - 'Hard Surfacing'
- GECA PC v2.3i-2012 - 'Paints and Coatings'
- GECA PB v3.0-2021 - 'Panel Boards'
- GECA RP v1.0ii-2015 - 'Recycled Products'
- GECA SSP v1.0i-2019 - 'Steel and Steel Products'
- GECA SPS v2.0i-2020 - 'Sustainable Products and Services'

Global GreenTag's GreenRate

- International Standard v4 – Global GreenTag GreenRate Level A
- International Standard v4 – Global GreenTag GreenRate Level B
- International Standard v4 – Global GreenTag GreenRate Level C

Gut-Label

- Gut-Label 2024

Living Future

- Living Product Challenge (LPC) 2.0 and Declare 2.0 – LBC Red List Free and Red List Approved products that are I-10 Interior Performance compliant

The following alternatives also apply:

- Paints, adhesives and sealants that are not I-10 Interior Performance compliant must have a declared VOC content that does not exceed the TVOC content limits in the *Paints, Adhesives, Sealants and Carpets* criterion
- Engineered wood products that are not I-10 Interior Performance compliant must meet one of the following to be deemed to satisfy the requirements of the *Engineered Wood Products* criterion only:
 - Declare RL-009 Formaldehyde Exception compliant
 - Includes no formaldehyde

SCS Global Services

- SCS-105 Indoor Air Quality Standard v4.2 - FloorScore and SCS Indoor Advantage Gold

UL Greenguard

- UL 2818 - Standard for GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings Edition 2

Green Star Fitouts Toxin Limits

Paints, adhesives and sealants

Product category	TVOC content (g/L)
General purpose adhesives and sealants	50
Interior wall and ceiling paint, all sheen levels	16
Trim, varnishes, and wood stains	75
Primers, sealers, and prep coats	65
One and two pack performance coatings for floors	140
Acoustic sealants, architectural sealant, waterproofing membranes and sealant, fire retardant sealants and adhesives	250
Structural glazing adhesive, wood flooring and laminate adhesives and sealants	100

Carpets

Compliance option	Test protocol	TVOC Limit
ASTM D5116	ASTM D5116 - TVOC limit, and	0.5mg/m ² /hr
	ASTM D5116 - 4-PC (4-Phenylcyclohexene)	0.05mg/m ² /hr
ISO 16000 / EN 13419	ISO 16000 / EN 13419 - TVOC at three days	0.5mg/m ² /hr
ISO 10580 / ISO/TC 219 (Document N238)	ISO 10580 / ISO/TC 219 (Document N238) - TVOC at 24 hours	0.5mg/m ² /hr

Engineered wood products

Test protocol	Formaldehyde Emissions Limit
AS/NZS 2269, testing procedure AS/NZS 2098.11 method 10 for Plywood	≤1mg/L
AS/NZS 1859.1 - Particle Board, with use of testing procedure AS/NZS 4266.16 method 16	≤1.5mg/L
AS/NZS 1859.2 - MDF, with use of testing procedure AS/NZS 4266.16 method 16	≤1mg/L
AS/NZS 4357.4 - Laminated Veneer Lumber (LVL)	≤1mg/L

Test protocol**Formaldehyde Emissions Limit**

Test protocol	Formaldehyde Emissions Limit
Japanese Agricultural Standard MAFF Notification No.701 Appendix Clause 3 (11) - LVL	≤1mg/L
JIS A 5908 - Particle Board and Plywood, with use of testing procedure JIS A 1460	≤1mg/L
JIS A 5905 - MDF, with use of testing procedure JIS A 1460	≤1mg/L
JIS A1901 (not applicable to Plywood, applicable to high pressure laminates and compact laminates)	≤0.1mg/m ² /hr
ASTM D5116 (applicable to high pressure laminates and compact laminates)	≤0.1mg/m ² /hr
ISO 16000 part 9, 10 and 11 (also known as EN 13419), applicable to high pressure laminates and compact laminates	≤0.1mg/m ² /hr (at 3 days)
ASTM D6007 (Refer <i>Guidance</i> in the Green Star Fitouts Submission Guidelines for further information)	≤0.12mg/m ³
ASTM E1333 (Refer <i>Guidance</i> in the Green Star Fitouts Submission Guidelines for further information)	≤0.12mg/m ³
EN 717-1 (also known as DIN EN 717-1)	≤0.12mg/m ³
EN 717-2 (also known as DIN EN 717-2)	≤3.5mg/m ² /hr