

## Good Environmental Choice Australia Environmental Performance Standard

# Furniture, Fittings, Foam and Mattresses (Level A)

### Core SDGs (Sustainable Development Goals):



SDGs: 3,5,6,10,11,12,14,15



Issued by: Good Environmental Choice Australia Ltd  
312/77 Dunning Ave, Rosebery, NSW 2018  
+61 (02) 9699 2850  
[standards@geca.org.au](mailto:standards@geca.org.au)  
[www.geca.eco](http://www.geca.eco)



### USE OF GECA STANDARDS

This standard identifies environmental, quality, regulatory and social and ethical criteria that the top environmentally and socially performing products sold in the Australian marketplace can meet in order to be recognised by GECA as “environmentally preferable”.

This standard seeks to set the benchmark for environmentally preferable products. The Australian Ecolabel Program is based on the international standard ISO 14024: “Environmental Labels and Declarations - Guiding Principles” <https://www.iso.org/standard/72458.html> which requires environmental labelling specifications to include criteria that are objective, reasonable and verifiable.

This standard may be used by GECA-appointed assessors to verify whether a product fully conforms to the criteria set by this standard. Where a product is certified for the Australian Ecolabel Program, it may display the GECA Ecolabel (the “Good Environmental Choice Australia Mark”) to show that the product has been independently assessed and demonstrates conformance with the environmental and social criteria detailed in this standard.

The purpose of voluntary environmental labels and declarations is the communication of verifiable and accurate information for the numerous environmental aspects of goods and services. As required by the the Competition and Consumer Act 2010 the information cannot be misleading. Such information encourages the demand for, and supply of, those products that cause less harm to the environment, thereby stimulating the potential for market-driven continuous environmental improvement. Where a company has a product certified as conforming to this standard, it may gain a marketing advantage in government and business procurement programs, as well as greater market recognition in general because of its independently verified environmental attributes.

The principles of Life-Cycle Analysis have been used to set these criteria to address relevant environmental loads typical in a product category. As such, this standard may also offer guidance for Australian and international producers to reduce the environmentally harmful impacts of their product(s). Producers may use the environmental, health and social criteria in this standard to design and refine the processing, manufacturing and delivery of their product(s). In addition, producers may find other environmental issues and more measures along the product’s life cycle, which are beyond the content of this standard. Producers are encouraged to include and adapt improvements in their environment programs and designs to aim for even better environmental results where technically possible. GECA welcomes feedback where this has been achieved.

While all GECA standards are voluntary, they contain criteria that address compliance with specific laws. In addition, a GECA standard may recognise specific Australian Standards. A prerequisite for certification under the GECA Ecolabel is to satisfy the relevant Australian or International Standard, where it is required by law. However Australian Standards typically define “fit-for-purpose” criteria and usually do not provide assurance of environmental preferability. GECA standards go beyond Australian Standards and define an environmental benchmark for the product category.

For further information please contact:

Good Environmental Choice Australia Ltd Standards Division

Ph: +61 (2) 9699 2850

E-mail: [standards@geca.org.au](mailto:standards@geca.org.au)

© Good Environmental Choice Australia Ltd 2019

*All rights reserved. No part of this publication may be reproduced in any material form or transmitted to any other person without the prior written permission of Good Environmental Choice Australia except as permitted under the Copyright Act 1968 (as amended) or unless expressly permitted in writing by Good Environmental Choice Australia.*

Good Environmental Choice Australia Ltd

312/77 Dunning Ave, Rosebery, NSW 2018 Australia. Printed in Australia



## Contents

- USE OF GECA STANDARDS .....2
- DOCUMENT HISTORY .....5
- HOW TO APPLY FOR GECA CERTIFICATION .....5
- STRUCTURE OF THE STANDARD .....6
- DEFINITIONS & ACRONYMS .....7
- BACKGROUND.....9
- ENGAGEMENT WITH SUSTAINABLE DEVELOPMENT GOALS (SDGs) .....10
- FIT FOR PURPOSE CRITERIA.....12
- 1. STANDARD CATEGORY SCOPE .....12
  - 1.1 Scope schedule .....12
- 2. FITNESS FOR PURPOSE .....14
  - 2.1 Applicable Standards and Demonstrated Fitness .....14
  - 2.2 Warranty .....14
- HEALTH CRITERIA.....15
- 3. EMISSIONS .....15
  - 3.1 Air Emissions- Formaldehyde .....15
  - 3.2 Air Emissions - VOC .....15
- 4. HAZARDOUS AND PROHIBITED SUBSTANCES .....17
  - 4.1 Hazardous Materials.....17
- ENVIRONMENTAL CRITERIA .....20
- 5. DESIGN FOR ENVIRONMENTAL PERFORMANCE .....20
- MATERIAL REQUIREMENTS .....20
  - 5.1 Timber and Other Natural Materials.....20
  - 5.2 Treatment .....21
  - 5.3 Padding Requirements .....21
  - 5.4 Fabrics.....22
  - 5.5 Springs and Wires (in mattresses).....23



- 5.6 Resource Efficiency.....23
- 6. PACKAGING, END OF LIFE AND PRODUCT STEWARDSHIP .....24
  - 6.1 Replacement Parts .....24
  - 6.2 Separability/Design for Disassembly .....24
  - 6.3 Recyclability of Plastics .....25
  - 6.4 Coatings / Treatments .....25
  - 6.5 Product Stewardship.....25
  - 6.6 Product Information .....26
  - 6.7 Packaging Requirements.....26
- 7. ENVIRONMENTAL CLAIMS .....27
  - 7.1 Public Claims.....27
- SOCIAL CRITERIA.....27
- 8. SOCIAL AND LEGAL COMPLIANCE.....27
  - 8.1 Environmental Legislation.....28
  - 8.2 Fair Pay .....28
  - 8.3 Workplace Health and Safety .....28
  - 8.4 Equal Opportunity .....29
  - 8.5 Lawful Conduct.....29
  - 8.6 Modern Slavery .....29
  - 8.7 Human and Labour Rights.....30
- EVIDENCE OF CONFORMANCE .....33
  - Demonstration of Conformance (DoC) .....33
- APPENDIX A .....34
  - List of dyes that may cleave to restricted amines.....34
  - List of potentially sensitising dyes.....35
- APPENDIX B APPLICATION CHECKLIST.....36



# Furniture, Fittings and Mattresses

## DOCUMENT HISTORY

Status: **Current**  
 Version: **3.1**  
 Date Published: **15 Nov 2019**

Versions	Date Published	Summary of Changes
2.0	1 Dec 2010	Revision
2.1	14 June 2013	Amendment: Standard name. Foam added to scope.
2.1i	5 August 2014	Update: Standard No updated; Addition of 'Level A' on front cover.
3.0	17 May 2017	Revision
3.1	15 Nov 2019	Amendment: Scope expanded to outdoor furniture, medical application exclusion removed. Warranty requirement changed. Change to criteria 4 to 6: GREENGUARD Gold and WELL equivalency Change to criterion 8: inclusion of stainless steel Change to criterion 37 human and labour rights Change to criterion 2 by recommending two AS/NZS standard updating details e.g. addition of new terminologies, change of GECA address, change of text in "USE OF GECA STANDARDS", change of text in "HOW TO APPLY FOR GECA CERTIFICATION", change of DOCUMENT HISTORY, replacing OHSAS18001 by ISO45001:2018 in DoC 33.3. Change of exemption, audit, auditor and auditing body to exception, assessment, assessor and assurance provider, respectively according to the new scheme rules, change of social criteria.

## HOW TO APPLY FOR GECA CERTIFICATION

Manufacturers or service suppliers interested in GECA certification using the Environmental Choice Australia Ecolabel are encouraged to read carefully through the entire standard and to evaluate whether their products are likely to conform to the standard and to pass the assessment process.

To launch an application, please complete the enquiry form on our website: <http://www.geca.eco/contact-us/> or contact GECA via email [info@geca.org.au](mailto:info@geca.org.au) and GECA will forward you an application form.

The completed application form is to be sent to GECA by email.

After receiving the completed application form and the application fee, GECA refers the verification process to an appointed assurance provider. The assurance provider contacts the applicant and gives a clear overview of the steps needed to achieve certification for their product type.

Note: GECA reserves the right to refuse, suspend or postpone an application if (a) the organisation does not meet



minimum compliance with Environmental Law, Labour Law, Fair Pay, Work, Health and Safety, Lawful behaviour (e.g. pending or ongoing lawsuits) (b) the organisation does not have transparent reporting that is available/accessible on request (c) the core mission of the organisation and/or product is in conflict with GECA's mission and/or is perceived by GECA to pose a risk to the GECA brand or reputation.

### **STRUCTURE OF THE STANDARD**

Each section within this standard contains criteria and Demonstration of Conformance (DoC). The criteria state the requirements for the product and applicant company with respect to its environmental performance. The DoCs list the information required to verify compliance to the criteria. Selected sections also contain introductory text which outlines the purpose behind the criteria.

### **Requesting Additional Evidence**

DoC items are listed for each criterion. The GECA approved assessor/s will request additional information to ensure conformance on a case by case basis. Hence, the conformance items listed below are considered a guide to the minimum Demonstration of Conformance items that will be required from the applicant company.



## DEFINITIONS & ACRONYMS

**ACM:** Asbestos containing material.

**Alloy:** A combination of two or more elements, one of which is a metal. This includes binary, tertiary and quaternary alloys (two, three and four elements respectively). The result is a metallic substance with properties different from those of its components.

**Assessment:** Process performed by the assessor to determine if the product conforms with the applicable GECA Standard

**Assessment report:** Full document composed by the assurance provider that states how the nominated product conforms or fails to conform to GECA standards. This report shall include appropriate and substantial evidence to justify conformance decision.

**Assessor:** The individual performing the assessment as an employee or contractor of the Assurance Provider.

**Assurance provider:** Person or organisation accredited by the Independent Appointment Panel performing the conformance assessment.

**ASTM International:** It is an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services.

**CAS:** CAS registry numbers are unique numerical identifiers for chemical elements, compounds, polymers, biological sequences, mixtures and alloys. They are also referred to as CAS numbers or CAS RNs. CAS standards for Chemical Abstract Service, which is a division of the American Chemical Society.

**CITES:** Convention on International Trade in Endangered Species of Wild Fauna and Flora.

**COD:** Chemical oxygen demand the equivalent mass of oxygen required to oxidise dissolved and suspended organic matter under defined conditions, typically using dichromate or permanganate as the oxidising agent.

**Edge Glued Panels:** Glued processed timbers, such as small lumbered wood or wood layers, that are formed and pressed into sheet form in the direction of fibre, paralleled each other and bonded with resin. These panels are often known as veneer panels.

**EMAS:** Eco- Management and Audit Scheme.

**EMS:** Environmental Management System.

**EPA:** Environmental Protection Authority.

**EXCEPTION :** An exception is granted when an applicant is given permission by the GECA CEO or Board to become certified despite not meeting a particular criterion in the standard as identified during the assessment process, usually with a mandatory transition period.

**Fibre Boards:** Boards composed of plant fibres, such as timbers or chaffs. According to the density, they are categorized 'into insulation boards (IB)', 'medium density fibre boards (MDF)' and 'hard boards (HB)'.

**FSC:** Forest Stewardship Council

**GECA Approved Assessor:** An Assessor that has been accredited to assess against GECAs Scheme Rules.

**GREENGUARD Certification:** Certification program by UL Environment that ensures low chemical and particle emissions of products for indoor use.

**IARC:** International Agency for Research on Cancer

**ILAC:** International Laboratory Accreditation Cooperation

**ILO:** International Labour Organisation.

**Halogens:** Chlorine (Cl), fluorine (F), bromine (Br), iodine (I) and astatine (At).

**Label:** means the Good Environmental Choice Australia Ecolabel.



**MSDS:** Material Safety Data Sheet

**NATA:** National Association of Testing Authorities.

**NOHSC:** National Occupational Health and Safety Commission

**OSHA:** Occupational Safety and Health Administration

**Particle Boards:** Boards made from wood fragments (chips or shavings) which are formed and pressed into sheet form and bonded together with resin.

**PEFC:** Programme for the Endorsement of Forest Certification.

**PREP:** Packaging Recyclability Evaluation Portal. [www.prep.org.au](http://www.prep.org.au).

**Rapidly renewable:** materials for which 'mature' harvest can occur on a ten year cycle or less.

**Recycled Content includes:**

**Post-Consumer:** Material generated by households, or by commercial, industrial and institutional facilities in their role as end-users of the product, which can no longer be used for its intended purpose. This includes returns of material from the distribution chain.

**Pre-Consumer:** Material diverted from the waste stream during a manufacturing process. Excluded is reutilisation of materials such as rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it.

**SDGs (Sustainable Development Goals):** Adopted by all United Nations Member States in 2015, (SDGs) are a new, universal set of goals, targets and indicators that UN member states will be expected to use to frame their agendas and political policies over the next 15 years.

**SDS:** (previously MSDS): Safety Data Sheet

**STEL (Exposure Standard - Short Term Exposure Limit):** A 15-minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.

**Timber/Wood:** Includes wood sourced from raw (virgin) forest timbers, timbers sourced from sustainable forestry, or waste wood materials including particle boards, fibre boards and edge-glued panels. Also includes used timber/wood.

**TOC:** Total Organic Content, defined as the total amount of organic substances dissolved in a water sample.

**TWA (Exposure Standard - Time-Weighted Average):** The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

**Used Timber / Wood:** Also known as salvaged or reclaimed timber/wood. Includes materials sourced from old (pre-loved) furniture, demolitions, and other relevant sources.

**Veneer Panels:** See Edge-Glued Panels.

**VOC:** Volatile Organic Compounds; any organic compound (compound which contains carbon) with a boiling point below 250°C measured at 101.3kPa. VOC content of products will be calculated according to the content of ingredients that fit this definition.

**Waste Wood:** Residual products generated by thinning out timbers, cutting out branches and processing timber and withdrawn timbers after use, excluding withered or dead trees.

**WELL:** WELL Building Standard is a performance-based system for measuring, certifying, and monitoring features of the built environment.



## BACKGROUND

The Furniture, Fittings, Foam and Mattresses (level A) Standard seeks to define good environmental performance benchmarks for home and office furniture and fittings throughout their entire life cycle.

The scope of the standard includes mattresses, foam, chairs, desks and workstations, sofa/couches/recliners, stools, coffee tables, desks, office desks, and variations thereof including fittings. Home/office furniture and fitting products form a significant proportion of items manufactured for use within residential, commercial and government environments and form a major manufacturing sector in Australia.

Home/office furniture and fitting products pose a significant environmental burden during their manufacture, use and disposal. These environmental aspects include but are not limited to the raw materials used for their manufacture, coatings (paints, lacquers, and varnishes), textiles, adhesives, joinery, hazardous treatments, energy and water use during production and their disposal.

Developments in timber, alloy and metal (steel, aluminium), and plastic recycling have encouraged innovation in furniture and fitting design and manufacture, encouraging products that readily incorporate recycled materials, and products with constituents that can be recycled into new products at end of life. These products often equal or surpass traditional products in all aspects of strength, durability and function. However significant gains can still be made in reducing environmental impacts across the entire life cycle of furniture and fittings.

This standard refers to the manufacture of the products and their constituent materials, the period of actual use and disposal. This standard also specifies requirements for the finishing restrictions of certain treatment or coatings that would restrict further recycling and the provision of plastic type information to allow for further post-consumer recycling.



## ENGAGEMENT WITH SUSTAINABLE DEVELOPMENT GOALS (SDGs)

GECA Standards embody the value of Sustainability Development Goals (SDGs) set by the United Nations. Each standard criterion answers to specific targets, which cover areas including environmental health, human well-being, economics, sustainability and long-term profitability. The following tables summarise the main SDGs related to the GECA standard criteria for Furniture, Fittings, Foam and Mattresses.

<p style="text-align: right;"><i>Core SDG</i></p> <p><b>GOOD HEALTH and WELL-BEING</b></p>  <p><b>STANDARD CRITERION</b></p> <ul style="list-style-type: none"> <li>— <b>Hazardous and prohibited substances</b> Criteria 7- 9</li> <li>— <b>Workplace Health and Safety</b> Criterion 33</li> <li>→ <b>Specific target</b> 3.9 By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination</li> </ul>	<p style="text-align: right;"><i>Core SDG</i></p> <p><b>RESPONSIBLE CONSUMPTION and PRODUCTION</b></p>  <p><b>STANDARD CRITERION</b></p> <ul style="list-style-type: none"> <li>— <b>Air Emission</b> Criterion 4-6</li> <li>— <b>Packaging, end of life and product stewardship</b> Criteria 17-23</li> <li>→ <b>Specific target</b> 12.4 By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment 12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse 12.6 Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle</li> </ul>
<p style="text-align: right;"><i>Core SDG</i></p> <p><b>LIFE UNDER WATER</b></p>  <p><b>STANDARD CRITERION</b></p> <ul style="list-style-type: none"> <li>— <b>Total discharges to water from the production</b> Criterion 16</li> <li>→ <b>Specific target</b> 14.1 By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution</li> </ul>	<p style="text-align: right;"><i>Core SDG</i></p> <p><b>LIFE ON LAND</b></p>  <p><b>STANDARD CRITERION</b></p> <ul style="list-style-type: none"> <li>— <b>Fabrics, Spring and Springs and Wires</b> Criteria 17 and 18</li> <li>→ <b>Specific target</b> 15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements</li> </ul>



Overview of SDG alignment with GECA Furniture, Fittings, foams and Mattresses Standard (level A) Standard



General	Fitness for purpose	SDG 12 SDG 9
Health	Hazardous materials	SDG 3 SDG 6
	Emission (air emission)	SDG 14 SDG 15
Environmental	Hazardous substances	SDG 3 SDG 6
	Timber / Natural	
	Emissions to water	SDG 14
	Packaging / stewardship	SDG 9
	Resource Efficiency	SDG 12
Social	Equal opportunity	SDG 5
	Fair pay	SDG 10
	Human, Labour Right	SDG 11
	Work Health safety	SDG 12





## FIT FOR PURPOSE CRITERIA

### SDGs 12

## 1. STANDARD CATEGORY SCOPE

### 1.1 Scope schedule

**Criterion 1:** This standard is applicable to the following categories of indoor and outdoor home and office furniture products:

- Office Chairs

Commercial contract chairs and seats including computer chairs, stools, school chairs, footrests and variations thereof.

- Office Desks & Tables

Commercial desks and tables including computer desks, boardroom tables, office coffee tables, free-standing cabinets and shelving units, coat-racks, and variations thereof.

- Domestic Chairs

Recreational chairs and seats including computer chairs, collapsible/foldable chairs, stools, recliners, couches, sofas, footrests and variations thereof.

- Domestic Desks & Tables

Recreational desks and tables including kitchen tables, coffee tables, computer desks, dining tables, bedside tables, free-standing wardrobes, lamp-tables, free-standing cabinets and shelving units, and variations thereof.

- Bedroom Furniture (including mattresses)

Bedroom furniture including bed-frames, bed-bases, free-standing wardrobes, bedside-tables and variations thereof, mattresses; excluding bedding.

- Fittings

Partitions, window fittings, shelving, and wall furniture.

- Recycled furniture

Furniture diverted from landfill. Recycled furniture including refurbished furniture may be certified as conforming to this standard provided that any new materials used including cleaning chemicals, coatings, adhesives, foams, and other substances are compliant with the relevant sections of this standard.

- Latex and polyurethane foam

#### Exclusions and Notes

This standard excludes inflatable mattresses, water beds, baby cot mattresses. In addition, playground equipment is excluded from this standard.

Mattresses for medical applications are covered by this standard but without their PVC or other protective coatings, therefore coatings will be excluded from certification using this standard.

This standard applies only to fully finished furniture (i.e. as opposed to "white furniture" which is furniture that is complete in all respects, with only the upholstery fabric and subsequent fabric treatments or laminate/veneer finish still to be specified and applied. So fully finished furniture is furniture that includes the upholstery fabric and subsequent fabric treatments as well as laminate/veneer finish), mattresses and foam.

Other environmentally innovative furniture and fittings products that do not fit the above categories may be considered for certification provided the product fulfils the requirements of any relevant sections of this Standard. Other categories may be added at a later date.

#### Demonstration of Conformance

DoC 1.1: Detailed description of the product(s) or product range; and

Good Environmental Choice Australia Standard



DoC 1.2: Explanation of applicability of the product(s) to the scope of this standard.



## 2. FITNESS FOR PURPOSE

To be certified, the product(s) shall be fit to perform its intended purpose or application. A minimum level of quality and durability is implicit before the Environmental Choice Australia Eco-label can be displayed on the product. The producer/manufacturer shall ensure that the product is fit for its intended purpose.

### 2.1 Applicable Standards and Demonstrated Fitness

**Criterion 2:** The product shall meet or exceed the requirements of the relevant Australian Standard (or equivalent international), or the product shall meet the applicable and accepted standard in its target market if it is to be exported.

Relevant Australian Furniture Standards include, but are not limited to:

- AS 4442: Office desks;
- AS 4443: Office panel systems – workstations;
- AS 4438: Height adjustable swivel chairs;
- AS 4688: Fixed height chairs;
- AS 5079: Filing cabinets;
- AS/NZS 4790:2006 Furniture - Storage units - Determination of strength and durability;
- AS/NZS 3813:2016 Plastic monobloc chairs Standards Australia;

Or,

The product shall demonstrate fitness for purpose or market acceptance or quality.

#### Demonstration of Conformance

**DoC 2.1:** A detailed description of the product as it relates to relevant Australian (or other) Standards. If there is no applicable Australian Standard (or international equivalent), or if it is not legally required, this should be clearly stated.

(One of the following forms of evidence, is required as a minimum)

**DoC 2.2:** Independent assessment or test reports confirming conformance with the relevant Australian or international safety and/or quality standard, if applicable, or

**DoC 2.3:** Report from an independent organisation (or independent engineer's report) or case studies from existing installations that demonstrate fitness for purpose, market acceptance, suitability or quality.

### 2.2 Warranty

**Criterion 3:** The manufacturer/applicant shall offer a commercial guarantee of a minimum of seven years on the quality of the product (excluding mattresses) and ten years for mattresses, provided the product is used for its intended purpose. The guarantee shall be valid from the date of delivery to the customer.

**Note:** low density foams used in production of spring mattresses are excepted (do not need to meet the warranty requirements of seven years) if the whole mattress meets the required warranty period.

#### Demonstration of Conformance

**DoC 3.1:** Evidence of the warranty offer provided to customers. This can be a guarantee certificate or authorised statement on the company website.



## HEALTH CRITERIA

*SDGs 3, 14, 15*

### 3. EMISSIONS

#### 3.1 Air Emissions- Formaldehyde

Products that contain formaldehyde-based additives, shall be subject to the following air emission limits for formaldehyde as measured using the Air Chamber, Desiccator or Perforator test methods. Raw timber and natural materials are excepted from this criterion. Compliance to the criteria below can be demonstrated in a number of ways: either by testing the overall emissions of the final product using the Air Chamber, Desiccator or Perforator test methods, or by testing the emissions of each component material and calculating the total emissions of the final product based on the quantity of individual components in the respective product. If the latter option is selected, testing should be conducted based on methods outlined in ASTM-D5116 or an equivalent: Small Scale Environment Chamber determination of organic emissions from indoor materials/products.

**Criterion 4:** Limit values for formaldehyde emissions for products (excluding mattresses) shall be as follows:

- a)  $\leq 0.5$ mg/L emission limit for Plywood, Particle Board and MDF when tested using the desiccator test method. Acceptable test procedures are AS/NZS 2098.11, AS/NZS 4266.16 and JIS A 1460; or
- b)  $< 0.07$  ppm for Plywood, Particle Board and MDF when tested using the chamber test method. Acceptable test procedures are ASTM and E1333.

Formaldehyde emissions for mattresses shall be at a level that is “not detectable”.

#### Demonstration of Conformance:

**DoC 4.1:** A copy of test results by a certified laboratory using any of the above Australian and international test procedures as outlined in Criterion 4; or

**DoC 4.2:** A copy of a valid Certificate of Compliance (GREENGUARD Gold certificate), stating that the product meets the chemical emissions requirements for UL GREENGUARD Gold Certification; or

**DoC 4.3:** Evidence of existing product equivalency to the WELL Building Standard

#### 3.2 Air Emissions - VOC

*Volatile Organic Compounds (VOC) released by solvents and other substances contributes to poorer air quality in buildings. Indoor air quality is vital for occupant health. Thus, limiting the VOC content is important for good indoor air quality.*

**Criterion 5:** Products (excluding mattresses) shall not:

- a) produce a Total VOC (TVOC) emission greater than 0.5 mg/m<sup>2</sup>/hr, or 0.5 mg/item/hr as applicable (as toluene equivalents) when tested to ASTM D5116-06 or ASTM 6670-01; or
- b) exceed the limits for individual chemicals stated in Table 1 VOC Emission Rates. This excludes formaldehyde emissions - for formaldehyde emissions, refer to Criterion 13. For applicable test methods see the Demonstration of Conformance section of this criterion.

**Note:** All adhesives present in the final product shall be part of the testing/the tested components.

Table 1. VOC Emission Rates.

Chemical	CAS number	Maximum Emission Rate	Chemical	CAS number	Maximum Emission Rate



1 – Methyl – 2 Pyrrolidinone	872-50-4	0.001 mg/m <sup>2</sup> /hr	2 – Ethylhexanoic Acid	149-57-5	0.05 mg/m <sup>2</sup> /hr
Naphthalene	91-20-3	0.005 mg/m <sup>2</sup> /hr	Octanal	124-13-0	0.005 mg/m <sup>2</sup> /hr
Nonanal	124-19-6		Styrene	100-42-5	
Acetaldehyde	75-07-0	0.01 mg/m <sup>2</sup> /hr	4 – Phenylcyclohexene	4994-16-5	0.01 mg/m <sup>2</sup> /hr
Benzene	71-43-2		Toluene	108-88-3	
Caprolactam	105-60-2		Vinyl Acetate	108-05-4	
2-Ethyl-1-Hexanol	104-76-7		Vinyl Cyclohexene	100-40-3	
			Xylenes	1330-20-7	

Samples must be tested within three days (72 hours) of manufacture and immediately after unpacking unless specified otherwise by the sampling protocols in the standards listed below. Samples must be packed for delivery to the lab to minimise off-gassing in accordance with laboratory instructions. If the sample is not tested within three days of manufacture, the accredited laboratory must be notified in order to ensure appropriate treatment of the sample in accordance with the sampling protocol of the relevant ASTM standard requirements.

**Demonstration of Conformance**

**DoC 5.1:** Test reports on VOC emissions using one of the following test methods showing either the total VOC emission or individual emission rates as outlined in Table 2

- a) ASTM D5116-06 Standard Guide for Small-Scale Environmental Chamber Determination of Volatile Organic Emissions from Indoor Materials/Products; or
- b) ASTM D6670-01(2007) Standard Practice for Full-Scale Chamber Determination of Volatile Organic Emissions from Indoor Materials/Products.

**DoC 5.2:** If not tested within 3 days, a copy of the lab instructions for sample preparation for delivery to the laboratory.

**DoC 5.3:** A copy of a valid Certificate of Compliance (GREENGUARD Gold certificate), stating that the product meets the chemical emissions requirements for UL GREENGUARD Certification; or

**DoC 5.4:** Evidence of existing product equivalency to the WELL Building standard

For products requiring both formaldehyde emissions and TVOC emissions test results, a single test report may be suitable provided that the product was tested to ASTM D5116 or ASTM D6670 and the test report shows both the formaldehyde and TVOC results.

**Criterion 6:** (This criterion is applicable only to mattresses). TVOC emission limits from the mattress (including adhesives, treatment and finishes) shall not be greater than 0.22mg/m<sup>3</sup> when tested to either ASTM5116, ASTM6670 or ISO16000-9.

**Demonstration of Conformance**

**DoC 6.1:** A copy of the test results from a NATA or ILAC member accredited laboratory showing the TVOC results using either ASTM5116/ASTM6670 or ISO16000-9 and a report from the same or another accredited laboratory showing the calculations for determining the final exposure concentrations from the mattress based on a well-established exposure model/reference case; or

**DoC 6.2:** A copy of the TVOC certification for the mattress showing the exposure concentration and testing method used; or

**DoC 6.3:** A copy of a valid Certificate of Compliance (GREENGUARD Gold certificate), stating that the product meets the chemical emissions requirements for UL GREENGUARD Certification; or

**DoC 6.4:** Evidence of existing product equivalency to the WELL Building standard



### Air Emissions – Particulate Matter (PM<sub>10</sub>)

*PM<sub>10</sub> is fine particulate matter that is less than 10 micrometres (0.01 mm) in diameter. Particulate matter from mattresses can be emitted due to the breakdown of the mattress over time as well due to the release of trapped dust (and dust mites). Particulate matter in air is one of the contributors to the prevalence of respiratory illnesses such as asthma. PM<sub>10</sub> measured in air on a new mattress also provides a baseline for comparing the change in emissions over the life of the mattress.*

**Criterion 7:** The PM<sub>10</sub> limit for mattresses shall be less than 0.02mg/m<sup>3</sup>. The test should be carried out using a forced air test for sample collection as per AS 3580.9.6, AS 3580.9.7 or AS 3580.9.8 for ambient air measurement or as per AS 2985 (2009) for respirable dust. Sampling should be carried out for a minimum period of 4 hours. There shall be no ACM (asbestos containing material) in the air sample collected. All analysis within Australia should be carried out by a NATA accredited laboratory <https://www.nata.com.au/>.

For tests carried out overseas reputable equivalent standards for measuring PM<sub>10</sub> particles shall be used. All analysis shall be carried out by a reputed laboratory accredited by an ILAC member <https://ilac.org/>.

#### Demonstration of Conformance

(Any one DoC 16.1 to 16.3 and Doc 16.4 are required)

**DoC 7.1:** A copy of test results showing measurement of ambient air using the test methods AS 3580.9.6 or AS 3580.9.7 or AS 3580.9.8 and a copy of sample analysis for PM<sub>10</sub> particles and ACM; or

**DoC 7.2:** A copy of test results showing measurement of respirable dust using the test method AS 2985 (2009) copy of sample analysis for PM<sub>10</sub> particles and ACM; or

**DoC 7.3:** For tests carried out overseas, a copy of test results showing measurement using reputable equivalent standards for measuring PM<sub>10</sub> particles and presence of ACM; and,

**DoC 7.4:** Signed declaration from an executive director stating that no ACM is present in the product, its components or packaging

## 4. HAZARDOUS AND PROHIBITED SUBSTANCES

*The criteria in this section are intended to address some of the main hazardous substances found within the product category, added to the product, or to ingredients during manufacturing. The intention is to reduce the use of hazardous materials and to prevent pollutants from entering the environment.*

The requirements in this section apply to all materials in the finished product regardless of weight except for

1, 3 butadiene and formaldehyde which are subject to the requirements in sections 3.3, and 4.1 respectively. This criterion is only applicable to fabrics if not assessed under 3.4 criterion 10a or 10b.

### 4.1 Hazardous Materials

**Criterion 8:** In order to promote the reduction of pollutant hazards in the manufacture, use, or disposal of products, the following substances (and where appropriate, their compounds) shall not be added to products during manufacture:

- Heavy metals: antimony, arsenic, cadmium, chromium, copper, lead, mercury, selenium, tin and nickel;
- Halogenated organic substances including halogenated organic solvents (e.g. binding agents);
- Elemental chlorine;
- Phthalates;
- Phenols; and
- Potentially explosive chemicals.

Exceptions for a specific substance may be permitted only where the applicant can demonstrate that the substance:



## Good Environmental Choice Australia Standard

- is necessary for performance or safety reasons; and
- is stored and managed in a manner that prevents environmental pollution during manufacture; and
- is chemically bound in a way that will prevent environmental pollution upon disposal by landfill or incineration.

The use of any heavy metal coatings or finishes is only permissible in exceptional circumstances where necessary on the grounds of heavy physical wear or in the case of parts that require particularly tight connections.

**Note:** This criterion does not exclude the use of non-coated stainless steel, although it contains chromium.

All substances used in the manufacture of the product must also meet Criterion 9 and Criterion 10. Manufacturers that use potentially explosive chemicals must also demonstrate that there is an ISO 14001 Environmental Management System (EMS) in place that requires, at minimum, licensed handlers, and procedures for storage and handling.

### Demonstration of Conformance

**DoC 8.1:** A schedule of the constituent chemical substances in g/kg used in the manufacture of the product that are classified as harmful, and relevant SDS (previously MSDS); and

**DoC 8.2:** Copy of documentation clearly outlining how each chemical is used, managed and stored; and

**DoC 8.3:** Where an exception is claimed, a signed declaration from an Executive Director of the applicant company stating that attempts have been undertaken to find alternatives for the substance(s) for which the exception is claimed; and the purpose for which the given substance is necessary; documentation clearly outlining how each chemical is used, managed and stored; and evidence that human exposure or environmental contamination is prevented; and

**DoC 8.4:** If claiming an exception for potentially explosive chemicals, the applicant must also provide details of the ISO 14001 EMS in place.

**Criterion 9:** In order to address human and environmental health risks, substances which are classifiable as hazardous according to any of the following categories shall not be added to furniture products or their components or used in the manufacturing process.

- Acutely toxic substances including any R26-28 (H330; H310; H300) substances, R50-59 (H400; H401; H402; H410 - H413, H420. **Note:** R54-58 currently has no H statement equivalents) substances and Occupational Safety and Health Administration (OSHA) highly hazardous chemicals, toxics and reactives  
[https://www.osha.gov/pls/oshaweb/owadisp.show\\_document?p\\_id=9761&p\\_table=standards](https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_id=9761&p_table=standards)
- Irritants and sensitising agents including R36-38 (H319; H315; H370) and R42-43 (H334; H317) substances
- Carcinogens, teratogens and mutagens including:
  - any R45-49 (H350; H351; H340; H372; H373) substances,
  - IARC group 1 or 2A substances,
  - EU consolidated list of C/M/R category 1 or 2 substances
- Rotterdam Convention Annex III substances
- WHO pesticides 1a and 1b

Exception for a specific substance may only be granted for safety or performance considerations provided that:

- the substance does not pose a health risk to the end user or manufacturing staff; and
- the applicant can demonstrate that exposure to the substance is below No Observable Adverse Effect Level or zero if NOAEL is unknown;
- the substance cannot enter the environment during the manufacturing process or as a result of use.

### Demonstration of Conformance



**DoC 9.1:** A schedule of the constituent chemical substances in g/kg used in the manufacture of the product that are classified as harmful, and relevant SDS; and

**DoC 9.2:** Where an exception is claimed, the applicant must provide a signed declaration from an Executive Director of the applicant company stating that attempts have been undertaken to find alternatives for the substance(s) for which the exception is claimed; and the purpose for which the given substance is necessary; documentation clearly outlining how each chemical is used, managed and stored; and evidence that human exposure or environmental contamination is prevented.

**Criterion 10:** The following compounds, their functional derivatives or in-situ precursors shall not be added to finished products, their component parts or be used at any stage of the manufacturing process, including as preparatory agents, cleaners or degreasers in the production facility:

- Polybrominated diphenyl ethers (PBDE), or short-chain (<13 C) chlorinated organic flame retardants;
- Pentachlorophenol (PCP);
- Bisphenol A;
- Tar oils (benzo (a) pyrene);
- Fluoropolymer additives;
- Aniline based amines;
- Bis(2-ethylhexyl) phthalate (DEHP), Dibutyl phthalate (DBP), Diallyl Phthalate (DAP) or n-butyl benzyl phthalate (BBP); and
- Aziridine or polyaziridines.
- Per- or poly-fluorinated chemicals (PFCs)
- Tetrachloroethylene
- Triclosan
- Boric Acid
- Chrome mordant dyes; Azo dyes (listed in Appendix A); Any dyes classified as carcinogens, mutagens or reproductive toxins; potentially sensitising dyes (listed in the Appendix A)

### Demonstration of Conformance

**DoC 10.1:** A schedule of the constituent chemical substances in g/kg used in the manufacture of the product that are classified as harmful, and relevant SDS; or

**DoC 10.2:** A signed declaration from an Executive Director of the applicant company stating that the above compounds, their functional derivatives or in-situ precursors are not added to finished products, their component parts or be used at any stage of the manufacturing process, including as preparatory agents, cleaners or degreasers in the production facility.

### Exception conditions for adhesives:

For an adhesive to be excepted from criteria 8-10 it shall:

- a) be certified by the Good Environmental Choice Australia Ecolabel, or the Nordic Swan ecolabel or an 'alternative and equivalent' label to these nominated labels; or
- b) fulfil the following requirements:
  - i. Phthalates, alkylphenoethoxylates, halogenated solvents, or bioaccumulative preservatives shall not be present in the adhesive or used in production (Diisodecyl phthalate (DIDP), Diisononyl phthalate (DINP) may be used in the production of industrial adhesives for wood and plastic binding applications); and
  - ii. The adhesive shall not be capable of exposing users to carcinogenic IARC group 1 or 2A



substances.

## ENVIRONMENTAL CRITERIA

*SDGs 6, 14, 15*

### 5. DESIGN FOR ENVIRONMENTAL PERFORMANCE

*The criteria in this section are intended to address some of the major life-cycle factors of a product that can be anticipated in sustainable design and are more easily incorporated during the design phase of product development.*

*Unless otherwise stated, the requirements in this section apply to each type of material contained in the finished product regardless of weight.*

## MATERIAL REQUIREMENTS

### 5.1 Timber and Other Natural Materials

**Criterion 11:** Fibre (plantation wood fibre, cellulose fibre, return fibre (i.e. post-consumer and pre-consumer fibre), cotton fibre, crop residue or other waste fibre) shall be sourced from any combination of FSC (<https://au.fsc.org/en-au>) or PEFC certified fibre (<https://www.pefc.org/>). Fibre sources that are not certified under a recognised certification scheme as being sustainably managed may be used but shall not originate from the following controversial sources:

#### CONTROVERSIAL SOURCES

##### a. Illegal harvesting

Illegally harvested wood and natural materials are those that are harvested, traded or transported in a way that is in breach with applicable national regulations (such regulations can for example address CITES species, money laundering, corruption and bribery, and other relevant national regulations).

##### b. Genetically modified organisms

Wood and natural materials from genetically modified organisms are those which have been induced by various means to include genetic structural changes (for a definition of genetically modified, please refer to the European Union Directive 2001/18/EC, on the deliberate release of genetically modified organisms in the environment) [https://eur-lex.europa.eu/resource.html?uri=cellar:303dd4fa-07a8-4d20-86a8-0baaf0518d22.0004.02/DOC\\_1&format=PDF](https://eur-lex.europa.eu/resource.html?uri=cellar:303dd4fa-07a8-4d20-86a8-0baaf0518d22.0004.02/DOC_1&format=PDF).

Traditional breeding programs do not constitute genetic modification.

##### c. Recently established plantations impacting primary ecosystems

The plantation or agricultural land use must have been established prior to 2000 and not have impacted primary ecosystems at the time of establishment. Establishment includes the logging or destruction of primary forest followed by the establishment of the plantation.

##### d. Uncertified high Conservation Value Communities

High Conservation Value Communities are those that possess one or more of the following attributes:

- Communities containing globally, regionally or nationally significant concentrations of biodiversity values (e.g. endemism, endangered species, refugia); and/or large landscape level communities, contained within, or containing the management unit, where viable populations of most if not all naturally occurring species exist in natural patterns of distribution and abundance.
- Communities that are in [constitute] or contain rare, threatened or endangered ecosystems.



## Good Environmental Choice Australia Standard

- Communities fundamental to meeting basic needs of locally indigenous human populations (e.g. subsistence, health) and/or critical to these people's traditional cultural identity (areas of cultural, ecological, economic or religious significance identified in cooperation with such local communities).

For materials sourced from within Australia, please refer to the following:

The EPBC Act List of Threatened Fauna at

<http://www.environment.gov.au/cgi-bin/sprat/public/publicthreatenedlist.pl?wanted=fauna>

The EPBC Act List of Threatened Flora at

<http://www.environment.gov.au/cgi-bin/sprat/public/publicthreatenedlist.pl?wanted=flora>

The EPBC Act List of Threatened Ecological Communities

<http://www.environment.gov.au/cgi-bin/sprat/public/publiclookupcommunities.pl>

The Australian Heritage Database (for listings of areas of cultural significance) at

<http://www.environment.gov.au/cgi-bin/ahdb/search.pl>

For materials sourced from outside Australia, please refer to credible lists detailing threatened species, threatened communities and areas of cultural significance in the respective countries.

Note: Fabrics and leather are addressed in Criterion 17:

Demonstration of Conformance

DoC 11.1: Design specification or schedule for materials and components used to make the product; and

DoC 11.2: Chain of Custody evidence for timber and natural materials including receipts showing origin of materials. Evidence must include Latin names and English common names, geographic origin and the supplier. GECA or its approved assessor/s may demand further documentation if deemed necessary; and

DoC 11.3: Total amount of certified wood and/or certified wood fibre used in the applicant furniture annually; and

DoC 11.4: Copy of certificate(s) signed by the certification authority; and

DoC 11.5: Signed declaration and short description of the system used to ensure the wood or natural fibre is sourced from traceable sources on an ongoing basis.

### 5.2 Treatment

**Criterion 12:** Wood, including engineered wood products and natural materials used in furniture products shall not be treated or impregnated with fungicides and insecticides that are listed as IARC 2B. Refer to:

<http://monographs.iarc.fr/ENG/Classification/index.php>. Note: IARC 1 and IARC 2A substances are addressed under the Hazardous Materials section of this standard.

Demonstration of Conformance

DoC 5.1: Signed documentation from the applicant stating that any pesticides used are not classified by the IARC as Group 1, 2A, or 2B. The documentation must show the type of wood, origin, certification if applicable and supplier, and include a schedule of all agents used (including CAS numbers and names) to treat wood and other natural materials. If the applicant does not perform the treatment as part of the manufacturing process, this statement should come from the supplier of the pre-treated timber.

### 5.3 Padding Requirements

**Criterion 13:** Latex (including also latex for rubberisation of e.g. coconut fibre) or foam shall not contain concentrations of 1, 3 butadiene greater than 1 ppm (1 mg/kg).

Demonstration of Conformance

*(Only one of the following DoC is required)*

DoC 13.1: Signed declaration that no latex or foam is used in the product; or



## Good Environmental Choice Australia Standard

**DoC 13.2:** Signed declaration of non-use of 1, 3 butadiene from an Executive Officer of the company that produces the latex or foam; or

**DoC 13.3:** Report on the concentration of 1, 3 Butadiene using a test carried out in accordance with the following procedure: A sample of the cured product shall be ground and weighed before being analysed. Sampling by use of a headspace sampler. Analysis by means of gas chromatography, detection by use of a flame ionization detector; or

**DoC 13.4:** VOC test showing a specific line item for butadiene as less than or equal to 0.02ppm or 0.044mg/m<sup>3</sup>, or alternatively a total "alkenes" line item as less than 0.05 mg/m<sup>2</sup>hr, or less than 0.05 mg/m<sup>3</sup> using any reputable standard VOC test method.

**Criterion 14:** CFC, HCFC, HFC or methylene chloride shall not be used as blowing agents in polyurethane.

### Demonstration of Conformance

**DoC 14.1:** Signed declaration describing the expansion process and whether CFC, HCFC, HFC or methylene chloride was used in the expansion process.

**Criterion 15:** Aniline based amines shall not be added to the padding material.

### Demonstration of Conformance

**DoC 15.1:** Signed declaration from supplier describing the manufacturing process and whether aniline based amines are used.

**Criterion 16:** The total discharges to water from the production of latex, foam or rubber shall be treated and decreased by 90% (measured as COD or TOC) in on-site or external sewage treatment works prior to being discharged to the receiving environment.

### Demonstration of Conformance

**DoC 16.1:** Copy of the Environmental Management System or similar showing testing requirements; testing frequency must be weekly and the final calculation must be the annual mean; or

**DoC 16.2:** Sampling for COD or TOC analysis shall take place after the operation of any on-site wastewater treatment.

## 5.4 Fabrics

*This requirement is included in order to recognise the environmental impacts involved in textile manufacture, and reward textile manufacturers that have already taken positive steps towards reducing their environmental loads.*

**Criterion 17:** Fabric shall:

- a) Be certified by the Good Environmental Choice Australia Ecolabel, the Environmental Choice New Zealand ecolabel, EU Flower ecolabel or the Nordic Swan ecolabel (or an 'alternative and equivalent' label to these nominated labels); or
- b) Satisfy the requirements of the Hazardous Materials section of this standard.

### Demonstration of Conformance

*(Only one of the following DoCs is required)*

**DoC 17.1:** Visual inspection of the product to confirm no fabrics are used or clear inclusion of this in relevant documents such as bill of materials or technical specifications; or



**DoC 17.2:** A copy of the Ecolabel licence from the supplier for each fabric product used (note: where an 'alternative and equivalent' ecolabel is nominated, the licence will be accepted if deemed equivalent based on the criteria of the standard and the procedures of the standards setting body and at the assessor's discretion); or

**DoC 17.3:** Where fabrics are not certified by an ecolabel, the applicant can demonstrate that the fabric satisfies the requirements of the current GECA Textiles standard or the Hazardous Materials section of this standard, by providing a report completed by a GECA approved assessor that demonstrates conformance against the standard; or

A schedule of all materials and substances used and where applicable the SDS, chemical names or CAS numbers and/or signed declaration of non-use to establish compliance with the Hazardous Materials section of this standard. The applicant/manufacture also needs to have processes in place to ensure on-going compliance with this criterion (see Evidence of Conformance section on page 48 for details).

### 5.5 Springs and Wires (in mattresses)

**Criterion 18:** The following criterion applies if wire and springs contribute to more than 5% of the total weight of the mattress. If degreasing and/or cleaning of wire and/or springs is carried out with organic solvents, use shall be made of a closed cleaning/degreasing system.

**Demonstration of Conformance:**

**DoC 18.1:** Declaration from the manufacturer of wire and/or springs.

### 5.6 Resource Efficiency

*Reducing resource use and reuse/recycling of waste promotes resource conservation and addresses the negative impacts from materials extraction and sourcing. There are opportunities to employ these strategies throughout the lifecycle of a product - during design, manufacture, use and end of life stages. Examples of some measures include dematerialisation, using rapidly renewable resources, using materials/components with recycled content, minimising habitat destructing practices, reducing waste generated during the manufacturing process and putting wastes back into the manufacturing process.*

**Criterion 19:** The product (excluding coatings, upholstering textiles, and adhesives used for product assembly) shall meet the requirements of at least one of the following material efficiency measures:

- a) At least 80% of the product or component by volume comprises rapidly renewable materials (i.e. natural materials for which mature harvest can occur on a 10-year cycle or lesser (e.g. bamboo, cork, natural rubber, wool & strawboard)
- b) At least 50% of the product by weight comprises recycled material content (in one or more materials/components)
- c) 100% of any petrochemical derived materials (e.g. acrylic fibre, synthetic foam, synthetic rubber, plastics, polystyrene, polypropylene) must be manufactured under an EMS
- d) 100% of product is made with non-petrochemical materials (e.g. metal, glass, timber and natural fibres)
- e) 90% of the product by weight is comprised of non-petrochemical origin materials sourced under a reputable certified scheme such as fibre sourced from plantation wood fibre with chain of custody evidence or FSC or PEFC certified forest (i.e. applies to any forest based products covered by FSC or PEFC e.g. timber, rubber and cork)

Manufacturers must also collect data on material in a format that facilitates optimisation of production processes as follows:

- a) Material flows including material input/yield ratios for each key manufacturing process per operating hour;
- b) Material wastage and pre-consumer reuse rates;
- c) Percentage post-consumer and pre-consumer recycled content in raw material by material type; and



- d) Percentage of the end product that is recyclable.

**Demonstration of Conformance:**

**DoC 19.1:** Product specification details (i.e. materials covered in the material efficiency measures mentioned above in the criterion); and

**DoC 19.2:** For products claiming recycled material content, chain of custody evidence and contractor receipts showing volumes purchased; and

**DoC 19.3:** For petrochemicals, a copy of documentation regarding the EMS or an ISO 14001 certificate; and

**DoC 19.4:** A copy of data collected for the optimisation of production processes. \*This may be included in the engineer's report.

## 6. PACKAGING, END OF LIFE AND PRODUCT STEWARDSHIP

*Previous sections of this standard apply to the characteristics of the product and the production process. This section is intended to address the impacts arising during the remainder of the product's life cycle.*

### 6.1 Replacement Parts

*Ensuring the availability of replacement parts is a simple way of allowing end-users to extend the useful life of an existing product, thus reducing the need for early replacement and minimising the associated environmental impacts of disposal and new production.*

**Criterion 20:** For those parts of a product that are subject to wear (e.g., hinges, locks, table leaves), functionally compatible replacements shall be guaranteed for a period of at least seven years. The manufacturer shall make individual replacement parts available to end-users.

**Demonstration of Conformance**

**DoC 20.1:** Evidence that the end-user is made aware of the availability of replacement parts. This may be part of the care instructions, user manual, or other information physically provided with the product, and/or is made available on the company website; and

**DoC 20.2:** Signed declaration by an Executive Officer of the producer confirming a commitment to the provision of replacement parts.

### 6.2 Separability/Design for Disassembly

*Products that are difficult to separate into recyclable parts at end-of-product life are significantly more likely to contribute to landfill, even if the component materials are recyclable. Products designed to be separable into recyclable parts ensure that the end-user or disposer does not face unnecessary barriers to "doing the right thing" at the end of the product's useful life, thus minimising the chances of some potentially significant environmental loads.*

**Criterion 21:** The product shall be separable into recyclable or reuseable units. Products shall be easily disassembled without the use of specialist tools. Component parts shall be easily identifiable for separation. At the discretion of the assessor/s, instructions for the disassembly method may be required to be provided with the furniture at the point of sale where the method for disassembly is not immediately evident; and

**Criterion 22:** The product shall not contain inseparable bonds between material types that cannot be processed together in the same recycling stream.

**Demonstration of Conformance (for both Criteria 21 and 22) (Only two DoCs required)**

**DoC 22.1:** Where the product is comprised of more than two material types, instructions showing how disassembly can be achieved with commonly available tools; or



## Good Environmental Choice Australia Standard

DoC 22.2: Engineer's report or disassembly demonstration. A demonstration may be performed as part of the site-visit or provided on DVD with an application.

DoC 22.3: **Mandatory:** Details of materials used in the product. This will be established in DoC 5.1.

**Criterion 23:** All glass must be recyclable in local council recycling systems or by a specialist recycling facility as nominated in the Product Stewardship criterion. If the glass cannot be recycled in local council recycling systems, the applicant must include notification to this effect in the product information in order to avoid contamination or glass that is recyclable in these systems.

### Demonstration of Conformance

DoC 23.1: If glass is used in the product, the applicant must provide a specification of the type of glass used and details of any tints, colourings or coatings; and

DoC 23.2: A copy of receipts or arrangements for the recycling of glass in either a local council facility or specialist facility; and

DoC 23.3: A copy of the information provided with the product.

## 6.3 Recyclability of Plastics

*The criteria in this section are intended to ensure that the product(s) is designed with the post-consumer phase in mind. Together with the Section for Separability/Design for Disassembly there is an increased chance that recycling will actually happen at the end of a product's useful life.*

**Criterion 24:** All plastic parts weighing greater than 50 g shall be marked/ stamped/embossed with an appropriate resin identification code promulgated by the Plastics and Chemical Industry Association (see <http://www.pacia.org.au>) or in compliance with ISO 11 469.

*An exception may be allowed for product(s) where the circumstances of the manufacturing process or the size and shape of the product restrict the use of the plastics resin identification code on the product. Except product needs appropriate information describing disposal methods for the product (including the relevant resin identification code) to be provided at the time of sale of the product to encourage further recycling.*

### Demonstration of Conformance

DoC 24.1: Visual assessment from a product sample or during a site visit; or

DoC 24.2: Direct and clear inclusion of this requirement in DoC 23.2 in the engineer's report or demonstration.

## 6.4 Coatings / Treatments

**Criterion 25:** Products and components shall not be impregnated, labelled, coated or otherwise treated in a manner which would prevent post-consumer recycling.

### Demonstration of Conformance

DoC 25.1: Detailed description of each coating or treatment applied to the product or component, or declaration of non-use; and

DoC 25.2: Explanation of how each coating affects the recyclability of the product or component; and

DoC 25.3: Description of the end-of-life options for the coated or treated components (e.g., "this coated component may be recycled at <facility name>") with written confirmation from a recycler able to accept the component.

## 6.5 Product Stewardship



**Criterion 26:** The applicant shall:

- accept their product without additional cost (excluding transportation costs) for further recycling in a specialist recycling facility; or
- have arrangements with a recycler to accept the product. A local recycler is preferable where possible; or
- have an established product stewardship program. Products collected under the scheme shall not be disposed of in landfill or by incineration; or
- have contractual arrangements with a third party who can recycle or refurbish the item. Contractual arrangements with the third party should nominate the estimated volume of product to be processed annually.

Note: For mattress recycling, there are several mattress recycling enterprises available.

Overall, the applicant shall demonstrate that the necessary arrangements are in place to deliver the claims of the product stewardship program. Details relating to the above product stewardship program requirements and contact details for the programme operator(s) shall also be made publicly available from the official company website and/or in product information supplied at point of sale.

### Demonstration of Conformance

**DoC 26.1:** Copy of instructions outlining the take back service including the costs, contact details of the take-back service, relevant website documentation; and

**DoC 26.2:** Copy of contractual agreements existing between the applicant(s) with either of the following: third party suppliers, transport companies, charities, second hand retailers or refurbishment companies.

## 6.6 Product Information

**Criterion 27:** The manufacturer shall provide written information to the consumer clearly stating:

- The intended use of the product;
- Instructions for correct use and storage to maximise the product lifetime;
- Maintenance instructions, including cleaning instructions, if required. Maintenance instructions shall not specify the use of any chemical or coating limited by any part of this standard; and
- Recycling instructions for the product end-of-life.

### Demonstration of Conformance

**DoC 27.1:** Copy of documentation to be supplied with the product clearly stating the required information.

## 6.7 Packaging Requirements

**Criterion 28:** Halogenated plastics shall not be used in product packaging.

### Demonstration of Conformance

**DoC 28.1:** SDS (previously MSDS) of packaging and site inspection of final product packaging.

**Criterion 29:** All packaging shall either be comprised of 100% recycled material or be readily recyclable, compostable, or contain no coatings, impregnated chemicals or otherwise that would prevent recycling or composting. Packaging shall comply with at least one of the following:

- a) Each material constituting >20% by weight of the total primary and secondary packaging used, shall contain at least 50% recycled content by weight;



## Good Environmental Choice Australia Standard

- b) Each material constituting >20% by weight of the total primary and secondary packaging used, shall be derived from plant-based materials (e.g. PLA plastics); or
- c) Each separable item constituting >20% by weight of the total primary and secondary packaging, shall be recyclable in Australia. This may be demonstrated using the Australian Packaging Covenant's Packaging Recyclability Evaluation Portal (PREP), <https://prep.org.au/main/content/home>.
- d) Paper and cardboard packaging shall be either certified under recognised forest certification scheme (e.g. FSC or PEFC) or contain at least 70% recycled content by weight.

Materials used for the transport of products (tertiary packaging) and whose disposal is not the responsibility of the end-consumer may be excepted from the above requirements if they are re-used by the applicant or are recyclable in specialist recycling facilities.

### Demonstration of Conformance

DoC 29.1: Details of materials used as packaging, including information on the input of recycled and virgin materials reported by weight if applicable. The recycled content can be averaged over a 12-month period to find the amount or range of recycled content; and/or

DoC 29.2: Evidence of recyclability or copy of PREP Assessment Report; and/or

DoC 29.3: Evidence of certification under relevant forest certification scheme; and/or

DoC 29.4: Details of re-use programs for transport materials within the applicant company.

## 7. ENVIRONMENTAL CLAIMS

*This section addresses the need to ensure that any environmental claims made beyond the scope of this standard by the manufacturer are verifiable.*

### 7.1 Public Claims

**Criterion 30:** Public claims made by the applicant regarding the products environmental performance that are beyond the scope of this standard (other than GECA certified content) shall be independently verified as compliant with ISO 14021: Environmental Labels and Declarations – 'Self-Declared Environmental Claims' (Type II Environmental Labelling) requirements. Also refer to the GECA Rules for the Use of the Good Environmental Choice Australia Mark.

### Demonstration of Conformance

DoC 30.1: Report or statement from the applicant listing all public environmental claims regarding the product by the applicant, demonstrating compliance to ISO14021; and

DoC 30.2: A signed declaration from an Executive Director of the applicant company stating that any environmental claims made by the company regarding the product in the future will be verified using ISO 14021 and/or the GECA certification

## SOCIAL CRITERIA

*SDGs 5, 10, 11, 12*

## 8. SOCIAL AND LEGAL COMPLIANCE

*This section addresses compliance with law and social attributes of the producer and the applicant company. Criteria for social aspects of the product are required under the international standard on ecolabelling (ISO 14024), and this section is common to all GECA standards. Equivalent sections are included in standards of all other GEN member ecolabelling bodies around the world. The social aspect partially addresses the third dimension of sustainability - Society. This was first understood by producers under the name "Corporate Social Responsibility" (CSR). In this standard, social criteria include laws for equal*



## Good Environmental Choice Australia Standard

*opportunity, safety and protection of workers. GECA certification cannot be given to any company that illegally exploits workers or their families.*

Note: In cases where there is a conflict between GECA requirements in this section and relevant legislation or regulations introduced by governments and agencies, national legislation overrides state legislation and state legislation overrides regulations and standards issued by GECA

### 8.1 Environmental Legislation

**Criterion 31:** The producer of the product and applicant company shall as per law comply with relevant environmental legislation and government orders at the Local, State, and Commonwealth levels, (if these have been issued). Where a producer is from an overseas jurisdiction, it is that jurisdiction's environmental regulations that apply. Where the producer has been found guilty of a breach of any environmental legislation or permit(s) within the last 2 years, there must be evidence of corrective action.

#### Demonstration of Conformance

**DoC 31.1:** Signed declaration from an Executive Officer of the organisation stating compliance to environmental legislation and government orders; as well as declaration of any breaches of environmental legislation or permits and the date of the breach. Applicant shall:

**DoC 31.2:** Provide a Legal Register listing applicable environmental legislation (including applicable Regulations under that legislation) in, or as an attachment to, this declaration. The Legal Register shall, for each applicable Act and Regulation listed, state whether the manufacturer and applicant company comply; or

**DoC 31.3:** Have a certified ISO 14001, Eco-Management and Audit Scheme (EMAS) or equivalent environmental management system in place; and;

**DoC 31.4:** Any relevant permits granted by the EPA or an equivalent national, state or local body;

**DoC 31.5:** Evidence of corrective action following a guilty verdict, if applicable.

In this criterion, 'Regulation' means an entire regulatory instrument (for example, the Environmentally Hazardous Chemicals Regulation 2008) and not the individual sections, provisions or clauses of a regulatory instrument.

### 8.2 Fair Pay

**Criterion 32:** All employees shall be covered by a Federal or State award or a certified industrial agreement or a registered agreement as determined by the Australian Government Workplace Authority, or a State or Territory Workplace Relations Agency, or a workplace agreement in compliance with the Fair Work Act 2009 section 61 – National Employment Standard. A manufacturer / applicant company shall demonstrate compliance to the following requirements as taken from the ILO Convention: Convention 100 – Equal Remuneration Convention.

Where a producer is from an overseas jurisdiction, it is that jurisdiction's equivalent regulations that apply.

#### Demonstration of Conformance

**DoC 32.1:** Signed declaration from an Executive Officer of the organisation;

**DoC 32.2:** Text or template of a typical workplace agreement offered to employees of the company; and

**DoC 32.3:** Sample payslips.

### 8.3 Workplace Health and Safety

**Criterion 33:** A manufacturer/ applicant company must demonstrate compliance to the following requirements as taken from the ILO Conventions:

a) Convention 155 – Occupational Safety and Health and its accompanying Recommendation No. 164;

b) Convention 161 – Occupational Health Services and its accompanying Recommendation No. 171

And



general compliance with State or Territory Legislation concerning Occupational, Health and Safety (OHS) / Work Health and Safety (WHS) and/or the Commonwealth Safety, Rehabilitation and Compensation Act 1988, where applicable. Where a manufacturer is from an overseas jurisdiction, it is that jurisdiction's equivalent regulations that apply. Where a producer/applicant company has been found guilty of a breach of relevant legislation within the last 2 years, there shall be evidence of corrective action.

### Demonstration of Conformance

**DoC 33.1:** Signed declaration from an Executive Officer of the organization stating compliance to workplace legislation and government orders, as well as declaration of any breaches of legislation and the date of the breach. Applicants shall list all applicable legislation in, or as an attachment to, this declaration;

**DoC 33.2:** Copy of the company Occupational / Workplace H&S policy and procedures;

**DoC 33.3:** Copy of employee induction records, training records, meeting records and risk assessments; or current ISO 45001:2018 (or former OHSAS 18001), AS/NZS 4801 or equivalent certification; or third party certification stating compliance to Work Health and Safety Act 2011 and the Work Health and Safety Regulation 2011 or equivalent jurisdiction specific legislation; and

**DoC 33.4:** Evidence of corrective action following a guilty verdict, if applicable.

## 8.4 Equal Opportunity

**Criterion 34:** The manufacturer/applicant company shall demonstrate general compliance with the requirements of the Racial Discrimination Act 1975, Sex Discrimination Act 1984, Disability Discrimination Act 1992, Equal Opportunity for Women in the Workplace Act 1999, and complementary State Legislation. The manufacturer cannot be in the list of 'named' or non-compliant employers under the Workplace Gender Equality Act 2012. Where a manufacturer /applicant company is from an overseas jurisdiction, it is that jurisdiction's equivalent regulations that apply. Where a manufacturer has been found guilty of a breach of relevant legislation within the last 2 years, there shall be evidence of corrective action.

### Demonstration of Conformance

**DoC 34.1:** Signed declaration from an Executive Officer of the organisation;

**DoC 34.2:** Copy of relevant company policies and procedures;

**DoC 34.3:** Evidence of corrective action following a guilty verdict, if applicable; and

**DoC 34.4:** The assessor will verify that the company does not appear on the following list:

<https://www.wgea.gov.au/non-compliant-list>

## 8.5 Lawful Conduct

**Criterion 35:** The manufacturer / applicant company shall not have been convicted of any breach of criminal law, any breach of the Competition and Consumer Act 2010 or the Corporations Act 2001, including prosecution or de-listing by the Australian Stock Exchange (ASX, or international equivalent). Where a manufacturer is from an overseas jurisdiction, it is that jurisdiction's equivalent regulations that apply. Where a producer has been found guilty of a breach of relevant legislation within the last 2 years, there must be evidence of corrective action.

### Demonstration of Conformance

**DoC 35.1:** Signed declaration from an Executive Officer of the organisation; and

**DoC 35.2:** Evidence of corrective action following a guilty verdict, if applicable.

## 8.6 Modern Slavery



## Good Environmental Choice Australia Standard

**Criterion 36:** The applicant company shall promote the elimination of Modern Slavery through collaboration with their supply chain, in accordance with the Australian Commonwealth Modern Slavery Act 2018 or NSW Modern Slavery Act 2018 and the following requirements as taken from the ILO Conventions:

- a) Conventions 29 and 105 – Elimination of Forced and Compulsory Labour; and
- b) Convention 182 – Worst Forms of Child Labour

Where an applicant has found instances of modern slavery in their business operations and or supply chains in the past two years, there shall be evidence of a corrective action.

This criterion shall be valid for applicant companies of any size and it not restricted to any annual revenue threshold.

### Demonstration of Conformance

**DoC 36.1:** Copy of the published Modern Slavery Statement from within the previous 12 months. The Modern Slavery Statement shall comply with the seven mandatory criteria of the Act as below:

- a) Identify the reporting entity
- b) Describe reporting entity's structure, operations and supply chains
- c) Describe the risks of modern slavery practices in the operations and supply chains of the reporting entity and any entities it owns or controls
- d) Describe the actions taken by the reporting entity and any entities it owns or controls to assess and address these risks, including due diligence and remediation processes
- e) Describe how the reporting entity assesses the effectiveness of these actions
- f) Describe the process of consultation with any entities the reporting entity owns or controls
- g) In addition to the modern slavery report, some supporting documents may be asked to be cited at the main site of manufacturing during the on-site assessment:

If unable to be presented, a rationale will be required; also in case that supportive documentation is unavailable at time of certification, a grace period of 3 year or one certification period may be granted (no more than one certification period will be given).

The documents may include but not limited to the following documentation to support the modern slavery report:

- h) Employment records
- i) List of contractors
- j) Leave entitlements policy
- k) Any relevant Human Resources policy
- l) Payslips/ wage scales/ remuneration policy
- m) Minimum age of employment policy
- n) Any other relevant information

Where an organisation has not previously reported on the Australian Commonwealth Modern Slavery Act 2018 or NSW Modern Slavery Act 2018 and does not meet the reporting threshold of the NSW or Commonwealth legislation, the organisation shall publish a Modern Slavery Statement within 3 years of Certification on a voluntary basis. A grace period of up to 1 cycle of certification may be granted depending on the company's reporting period.

## 8.7 Human and Labour Rights

**Criterion 37:** The manufacturer/applicant company shall promote social justice and internationally recognised human and labour rights and show compliance to the following requirements as taken from the ILO Conventions:



## Good Environmental Choice Australia Standard

- a) Conventions 100 and 111 – Elimination of Discrimination in respect of employment and occupation; and
- b) Convention 138 Minimum Age Convention; and
- c) Conventions 87 and 98 – Freedom of Association and Collective Bargaining

Where a manufacturer has been found to breach this criterion in the past two years, there must be evidence of corrective action.

### Demonstration of Conformance

**DoC 37.1:** The manufacturer/applicant shall provide: Map of at least one tier of their supply chain (this is related to the products undergoing application for certification).; and

**DoC 37.2:** Evidence of implementation of a Supplier 'Code of Conduct'; Code of conduct to include Human Rights, Health and Safety of workers - following ILO Conventions

ILO Conventions to include:

- No child / forced / bonded labour (ILO 29 and 105)
- Minimum age convention (ILO 138)
- Worst forms of child labour (ILO182)
- Health and safety procedures and training (155, 161 and 171)
- Right of freedom of association (ILO 87 and 98)
- Non-discrimination (ILO 100 and 111)
- Discipline / harassment and grievance procedures
- Fair working hours and compensation
- Anti-corruption and bribery

Code of conduct to include Environmental compliance – following UN Global Compact Code of Conduct

Code of conduct to include as a minimum (Human rights & Labour)

Assessment and recommendations for improvements (Scorecards) by the applicant company of their supply chain; and

**DoC 37.3:** Evidence of ISO 20400 implementation; or

**DoC 37.4:** Evidence of valid SA8000 certification, or other equivalent certification; or

**DoC 37.5:** Evidence of being a signatory to the UN Global Compact; or

**DoC 37.6:** SEDEX membership (<https://www.sedexglobal.com/>); or

**DoC 37.7:** GRI 400 Report (Global Report Initiative) <https://www.globalreporting.org/standards/gri-standards-download-center/?q=36c8c7e6-f3ac-4f25-b744-e5474b9ef279>.

And

**DoC 37.8:** Evidence of corrective action, if applicable.

If DoCs 37.3 - 37.7 cannot be provided, manufacturer/ applicant shall provide:

**DoC 37.9:** Evidence of commitment to achieve certification in accordance with DoC 37.4 within one year; or

**DoC 37.10:** Evidence of becoming a signatory to the UN Global Compact within six months;

and

## Good Environmental Choice Australia Standard



DoC 37.11: Evidence of corrective action, if applicable.

GECA acknowledges that this is an emerging area of compliance and conformance. Therefore, alternative certifications, standards, ethical membership organisations or compliance reporting may be recognised as demonstration of conformance where an exception is granted by the GECA Board.



## EVIDENCE OF CONFORMANCE

### Demonstration of Conformance (DoC)

This section lists the sources of evidence to be considered during an assessment to establish conformance against GECA's standards. This list is provided in order to guide the applicant manufacturer through the requirements of the standard and to facilitate the preparation of an application.

The DoC requirements as specified along with each criterion in the standard define specific sources of evidence acceptable to GECA. In cases where criteria offer several DoC requirements, it is the sole decision of the appointed assurance provider to choose the appropriate option in course of the preliminary stage of the assessment. If none of the recommended DoC requirements stipulated for a particular criterion in the standard is applicable for a product under assessment, then the appointed assurance provider may choose an alternative but equivalent source of evidence. In cases where alternative sources of evidence have been accepted for the verification of the product, the assurance provider will inform GECA by providing a report on the details as far as appropriate. GECA will use this information to continuously improve the DoC requirements stipulated by that standard.

All laboratory testing and analysis shall be carried out by a NATA (National Association of Testing Authorities, <https://www.nata.com.au/>) accredited laboratory. For tests carried out overseas, all analysis shall be carried out by a reputable lab accredited by an ILAC (International Laboratory Accreditation Cooperation, <https://ilac.org/>) member.

The applicant/manufacturer shall have processes in place to ensure on-going compliance with the criteria in this standard; for example in relation to hazardous substances, having a process in place for completing a checklist (signed and dated by the authorised person) that lists all the substances and requirements in that section prior to using in/with the GECA product/s. The process may be carried out by relevant supplier/s of relevant material/s if there is no in-house capacity within the organisation being assessed to carry out this process. Documented information about any communication in regards to this process (i.e. between applicant and suppliers) shall be maintained.

The DoC requirements are summarised in Appendix B to assist applicants in preparing documentation for the verification process with a GECA Designated Assessor.



## APPENDIX A LIST OF DYES THAT MAY CLEAVE TO RESTRICTED AMINES

Disperse dyes that may cleave to aromatic amines		
Disperse Orange 60	Disperse Orange 7	Disperse Orange 149
Disperse Yellow 23	Disperse Yellow 56	Disperse Red 151
Disperse Red 221	Disperse Yellow 218	
Basic dyes that may cleave to aromatic amines		
Basic Brown 4	Basic Red 114	Basic Red 42
Basic Yellow 82	Basic Red 76	Basic Yellow 103
Basic Red 111		
Acid dyes that may cleave to aromatic amines		
CI Acid Black 29	CI Acid Red 24	CI Acid Red 128
CI Acid Black 94	CI Acid Red 26	CI Acid Red 115
CI Acid Black 131	CI Acid Red 26:1	CI Acid Red 128
CI Acid Black 132	CI Acid Red 26:2	CI Acid Red 135
CI Acid Black 209	CI Acid Red 35	CI Acid Red 148
CI Acid Black 232	CI Acid Red 48	CI Acid Red 150
CI Acid Brown 415	CI Acid Red 73	CI Acid Red 158
CI Acid Orange 17	CI Acid Red 85	CI Acid Red 167
CI Acid Orange 24	CI Acid Red 104	CI Acid Red 170
CI Acid Orange 45	CI Acid Red 114	CI Acid Red 264
CI Acid Red 4	CI Acid Red 115	CI Acid Red 265
CI Acid Red 5	CI Acid Red 116	CI Acid Red 420
CI Acid Red 8	CI Acid Red 119:1	CI Acid Violet 12
Direct dyes that may cleave to aromatic amines		
Direct Black 4	Basic Brown 4	Direct Red 13
Direct Black 29	Direct Brown 6	Direct Red 17
Direct Black 38	Direct Brown 25	Direct Red 21
Direct Black 154	Direct Brown 27	Direct Red 24
Direct Blue 1	Direct Brown 31	Direct Red 26
Direct Blue 2	Direct Brown 33	Direct Red 22
Direct Blue 3	Direct Brown 51	Direct Red 28
Direct Blue 6	Direct Brown 59	Direct Red 37
Direct Blue 8	Direct Brown 74	Direct Red 39
Direct Blue 9	Direct Brown 79	Direct Red 44
Direct Blue 10	Direct Brown 95	Direct Red 46
Direct Blue 14	Direct Brown 101	Direct Red 62
Direct Blue 15	Direct Brown 154	Direct Red 67
Direct Blue 21	Direct Brown 222	Direct Red 72
Direct Blue 22	Direct Brown 223	Direct Red 126
Direct Blue 25	Direct Green 1	Direct Red 168
Direct Blue 35	Direct Green 6	Direct Red 216
Direct Blue 76	Direct Green 8	Direct Red 264
Direct Blue 116	Direct Green 8.1	Direct Violet 1
Direct Blue 151	Direct Green 85	Direct Violet 4
Direct Blue 160	Direct Orange 1	Direct Violet 12
Direct Blue 173	Direct Orange 6	Direct Violet 13
Direct Blue 192	Direct Orange 7	Direct Violet 14
Direct Blue 201	Direct Orange 8	Direct Violet 21
Direct Blue 215	Direct Orange 10	Direct Violet 22
Direct Blue 295	Direct Orange 108	Direct Yellow 1
Direct Blue 306	Direct Red 1	Direct Yellow 24
Direct Brown 1	Direct Red 2	Direct Yellow 48
Direct Brown 1:2	Direct Red 7	
Direct Brown 2	Direct Red 10	



**LIST OF POTENTIALLY SENSITISING DYES**

Substance	Colour Index Number	CAS Number
C.I. Disperse Blue 102		12222-97-8
C.I. Disperse Blue 106		12223-01-7
C.I. Disperse Blue 124		61951-51-7
C.I. Disperse Blue 26	C.I. 63 305	
C.I. Disperse Blue 3	C.I. 61 505	2475-45-8
C.I. Disperse Blue 35		12222-75-2
C.I. Disperse Blue 7	C.I. 62 500	3179-90-6
C.I. Disperse Brown 1		23355-64-8
C.I. Disperse Orange 1	C.I. 11 080	2581-69-3
C.I. Disperse Orange 3	C.I. 11 005	730-40-5
C.I. Disperse Orange 37	C.I. 11 132	
C.I. Disperse Orange 76 (previously designated Orange 37)	C.I. 11 132	
C.I. Disperse Red 1	C.I. 11 110	2872-52-8
C.I. Disperse Red 11	C.I. 62 015	2872-48-2
C.I. Disperse Red 17	C.I. 11 210	3179-89-3
C.I. Disperse Yellow 1	C.I. 10 345	119-15-3
C.I. Disperse Yellow 39		
C.I. Disperse Yellow 49		
C.I. Disperse Yellow 9	C.I. 10 375	6373-73-5



## APPENDIX B APPLICATION CHECKLIST

The Application Checklist guides the applicant through the application and verification process. An applicant may collect all information required for the verification of the product and attach the relevant documents to their application. The table below summarises the DoC requirements for each criterion in the standard.

Criterion No.	Criterion Content	Demonstration of Conformance See standard body for details	Evidence Attached	Complies Y/N or NA
<b>FIT FOR PURPOSE CRITERIA</b>				
<b>1. Standard Category Scope</b>				
Criterion 1	Standard category scope	Detailed description of the product(s); and	<input type="checkbox"/>	
		Explanation of applicability to the scope of the standard	<input type="checkbox"/>	
Criterion 2	Product shall meet or exceed applicable standards and demonstrated fitness levels (only two DoCs required)	<b>Mandatory:</b> Detailed description of the product(s) as it relates to Australian (or other) standards; and	<input type="checkbox"/>	
		Independent assessment or test reports confirming conformance to relevant Australian (or other) standard; or	<input type="checkbox"/>	
		Report or case study demonstrating fitness for purpose	<input type="checkbox"/>	
Criterion 3	Product shall have 7/10 year commercial guarantee on the quality of the product	Copy of warranty documentation provided to customers	<input type="checkbox"/>	
Criterion 4	Plywood, Particle Board and MDF shall demonstrate a level below 1ppm (mg/L) (desiccator test method) or below 0.07ppm (chamber test method)	A copy of test results by a certified laboratory using AS/NZS 2098.11, AS/NZS 4266.16 and JIS A 1460; or ASTM and E1333; OR Valid GREENGUARD Gold certificate		
	Emissions for mattresses shall be "not detectable"			
Criterion 5	Total VOC emissions shall not exceed 0.5 mg/m <sup>2</sup> / hr or 0.5mg/item/hr as applicable when tested by ASTM D5116 or ASTM 6670 Alternatively, products must not exceed the limits in Table 1.	Test report for ASTM 5116 or ASTM 6670. If not tested within 3 days, a copy of the lab instructions for sample preparation for delivery to the laboratory; OR Valid GREENGUARD Gold certificate		



Criterion 6	TVOC emission for mattresses shall not be greater than 0.22 mg/m <sup>3</sup> .	A copy of the test results from an accredited laboratory showing the TVOC results using either ASTM5116/ASTM6670 or ISO16000-9; and calculations for determining the final exposure concentrations; or		
		A copy of the TVOC certification for the mattress showing the exposure concentration and testing method used.		
Criterion 7	The PM <sub>10</sub> limit for mattresses shall be less than 0.02mg/m <sup>3</sup>	A copy of test results showing measurement of ambient air using the test methods AS 3580.9.6 or AS 3580.9.7 or AS 3580.9.8 and a copy of sample analysis for PM <sub>10</sub> particles and ACM; or		
		A copy of test results showing measurement of respirable dust using the test method AS 2985 (2009) copy of sample analysis for PM <sub>10</sub> particles and ACM; or		
		For tests carried out overseas, a copy of test results showing measurement using reputable equivalent standards for measuring PM <sub>10</sub> particles and presence of ACM; and		
		Signed declaration from an executive director stating that no ACM is present in the product, its components or packaging		
Criterion 8	Listed substances shall not be added to products during manufacture.	A schedule of the constituent substances in g/kg used in the manufacturing process and relevant SDS; and		
		A copy of documentation clearly outlining how each chemical is used, managed and stored; and		
		Where an exception is claimed, a signed declaration from an Executive Director of the applicant company stating that the given substance is		
		If claiming an exception for potentially explosive chemicals, documentation of the EMS in place.		
Criterion 9	Products shall not contain substances harmful to human health or the environment.	A schedule of the constituent substances in g/kg used (as above); and		



		Where an exception is claimed, the applicant must provide a signed declaration stating the purpose for which the given substance is necessary; documentation clearly outlining how each chemical is used, managed and stored; and evidence that human exposure or environmental contamination is prevented		
Criterion 10	Listed substances shall not be added to products, their components or be used at any stage of the manufacturing process.	A schedule of the constituent substances in g/kg used (as above); and		
		A signed declaration stating that the above compounds, their functional derivatives or in-situ precursors are not added to finished products, their component parts or be used at any stage of the manufacturing process.		
Criterion 11	Timbre and natural fibres shall be sourced sustainably	Design specification or schedule for materials and components of product; and		
		Chain of custody evidence for materials; and		
		Total amount of certified wood used in the furniture annually; and		
		Evidence of certification from a responsible timber fibre source; and		
		Signed declaration and short description of the system used to ensure wood is sourced from traceable sources		
Criterion 12	Wood and natural material shall not be treated or impregnated with fungicides or insecticides classified by IARC as 2B	Signed documentation from the supplier that any pesticides used are not classified as IARC 1, 2A or 2B		
Criterion 13	Latex, foam or rubber shall not contain concentrations of 1, 3 butadiene greater than 1 ppm (1mg/kg) (only one DoC required)	Signed declaration that no latex, foam or rubber is used in the product or		
		Signed declaration for the producer of the latex, foam or rubber,		
		confirming no 1,3 butadiene is used in their product or		



		Test reports confirming conformance to the criterion or		
		VOC test results confirming butadiene emission is zero or total alkenes as <0.05mg/m <sup>2</sup> hr or <0.05mg/m <sup>3</sup>		
Criterion 14	CFC, HCFC, HFC or methylene chloride shall not be used as blowing agents in polyurethane	Signed declaration describing the expansion process and if it includes any of the prohibited substances		
Criterion 15	Aniline based amines shall not be added to padding material	Signed declaration for the supplier, describing the manufacturing process and if aniline based amines are used		
Criterion 16	Total water discharge from latex, foam or rubber production shall be treated to reduce COD/TOC levels by 90%	Copy of EMS or similar showing testing requirements, frequency and calculations; or		
		Results from sampling for COD or TOC analysis		
Criterion 17	Fabrics shall meet the standards of a recognised ecolabel or meet the requirements of the Hazardous Materials section of this standard (only one DoC required)	Signed declaration stating that no fabric has been used or		
		A copy of the ecolabel license from the suppliers of each fabric product used or		
		A report from a GECA designated or independent assessor stating the fabric used meets GECA-19 Textiles Standard or Hazardous Materials		
		A schedule of all materials and substances used and where applicable the SDS, chemical names or CAS numbers and/or signed declaration of non-use to establish compliance with the Hazardous Materials section of this standard.		
Criterion 18	If degreasing and/or cleaning of wire and/or springs is carried out with organic solvents, use shall be made of a closed cleaning/degreasing system	Declaration from manufacturer of wire and/or springs		
Criterion 19	The product shall meet the requirements of at least one of the material efficiency measures	Product specification details (i.e. materials covered in the material efficiency measures mentioned above in the criterion); and		
		For products claiming recycled material content, chain of custody evidence and contractor receipts showing volumes purchased; and		



		For petrochemicals, a copy of documentation regarding the EMS or an ISO 14001 certificate; and		
		A copy of data collected for the optimisation of production processes. *This may be included in the engineers report.		
Criterion 20	Replacements shall be available for parts that are subject to wear, for a period of five years	Evidence that the end-user is made aware of the offer; and	<input type="checkbox"/>	
		Signed declaration confirming commitment to the provision of replacement parts	<input type="checkbox"/>	
Criterion 21	Products shall be easily disassembled and separable into recyclable or re-useable units.  (Only two DoCs are required)	Where products are comprised of more than two material types, instructions for disassembly are required or	<input type="checkbox"/>	
		Engineers report or disassembly demonstration	<input type="checkbox"/>	
Criterion 22	Components parts shall not contain inseparable bonds  (only two DoCs required)	Mandatory: Details of material used in product, included in DoC 5.1	<input type="checkbox"/>	
Criterion 23	All glass shall be recyclable in local council recycling systems or by a specialist recycling facility.  If the glass can only recycled in a specialist facility, the applicant shall provide correct recycling instructions.	If glass is used, a specification of type used and details of tints, colourings and coatings; and	<input type="checkbox"/>	
		A copy of receipts or arrangements for the recycling of glass in either a local council facility or specialist facility; and	<input type="checkbox"/>	
		If not recyclable in local council facilities, a copy of the information provided with the product	<input type="checkbox"/>	
Criterion 24	Plastic weighing greater than 50g shall be marked with appropriate resin identification codes  (only one DoCs required)	Visual assessment from product sample or during a site visit; or	<input type="checkbox"/>	
		A direct and clear inclusion of this requirement in DoC 19.1	<input type="checkbox"/>	
Criterion 25	Products and components shall not be impregnated, labelled or coated or otherwise treated in a manner that will prevent post-consumer recycling	Explanation of how each coating affects the recyclability of each product or component and	<input type="checkbox"/>	
		Description of the end-or-life options for	<input type="checkbox"/>	



		the treated component with written confirmation from a recycler able to accept the component		
Criterion 26	A product stewardship program or similar shall be in place for the product	Copy of instructions outlining take back service and	<input type="checkbox"/>	
		Copy of contractual agreements allowing for the proper disposal of used products	<input type="checkbox"/>	
Criterion 27	Products shall be accompanied with information for the consumers	Copy of documentation supplied to consumers	<input type="checkbox"/>	
Criterion 28	Halogenated plastics shall not be used in product packaging	SDS (previously MSDS) of packaging and site inspection of final product packaging.	<input type="checkbox"/>	
Criterion 29	Packaging shall be recyclable, contain recycled content or derived from plant-based materials.	Details of materials used as packaging; and	<input type="checkbox"/>	
		Evidence of recyclability or copy of PREP Assessment Report; or Evidence of certification under relevant forest certification scheme; and	<input type="checkbox"/>	
		Details of re-use programs for transport materials within the applicant company.	<input type="checkbox"/>	
Criterion 30	Public claims made by applicant	Statement of conformance signed by EO, with report showing compliance to ISO 14021.	<input type="checkbox"/>	
Criterion 31	Compliance with Environmental Legislation	Signed declaration confirming conformance to the criterion and	<input type="checkbox"/>	
		Permits granted by EPA or an equivalent national body (if applicable)	<input type="checkbox"/>	
		List of relevant state and federal legislation and	<input type="checkbox"/>	
		Evidence of corrective action (if applicable)	<input type="checkbox"/>	
Criterion 32	Fair Pay	Signed declaration confirming conformance to the criterion and	<input type="checkbox"/>	
		Text or template of the typical workplace agreement offered to employees	<input type="checkbox"/>	
		Sample workplace agreement, Payslips	<input type="checkbox"/>	



Criterion 33	General compliance to OHS/WHS regulations	Signed declaration confirming conformance to the criterion and	<input type="checkbox"/>	
		OHS/WHS policies and procedures and	<input type="checkbox"/>	
		Evidence of corrective action (if applicable)	<input type="checkbox"/>	
Criterion 34	Equal Opportunity	Signed declaration confirming conformance to the criterion and	<input type="checkbox"/>	
		Relevant policies and procedures and	<input type="checkbox"/>	
		Evidence of corrective action (if applicable)	<input type="checkbox"/>	
Criterion 35	Lawful Conduct	Signed declaration confirming conformance to the criterion and	<input type="checkbox"/>	
		Evidence of corrective action (if applicable)	<input type="checkbox"/>	
Criterion 36	Modern Slavery	Copy of the published Modern Slavery Statement from within the previous 12 months		
Criterion 37	Compliance with International Labour Organisation (ILO) Conventions.	Map of at least one tier of their supply chain; and	<input type="checkbox"/>	
		Evidence of implementation of a Supplier 'Code of Conduct', and	<input type="checkbox"/>	
		Evidence of ISO 20400 implementation; or	<input type="checkbox"/>	
		Evidence of valid SA8000 certification, , or other equivalent certification; or	<input type="checkbox"/>	
		Evidence of becoming a signatory to the UN Global Compact within six months of certification; or	<input type="checkbox"/>	
		SEDEX Membership, or	<input type="checkbox"/>	
		GRI400 Report ; and	<input type="checkbox"/>	
		Evidence of corrective action (if applicable).	<input type="checkbox"/>	
		Evidence of commitment to achieve certification in accordance with DoC 36.4 within one year	<input type="checkbox"/>	
Evidence of becoming a signatory to the UN Global Compact within six months; and	<input type="checkbox"/>			
Evidence of corrective action (if applicable).	<input type="checkbox"/>			