



Lic No: STA-2006

Standard:
GECA 28/2005 – Furniture and Fittings

Initial Verification Conformance Date:
11 April 2006

Stair Lock
International Pty Ltd
Good Environmental Choice –
Australia

ENVIRONMENTAL PRODUCT DECLARATION



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**Good Environmental Choice Verification Information:
Initial Verification Conformance Date: 11/4/2006**

The Stair Lock range of Stairs and staircase systems has been assessed and accepted as compliant to the requirements of the Australian "Good Environmental Choice" Label. The requirements of the program are publicly available at www.geca.org.au.

1. Description Of Company and Production

Company name: Stair Lock International Pty Ltd

Products:

- 1 The Stair Lock EO MDF based stairway system.
- 2 The Stair Lock Radiata Pine Balustrade and Pine Handrails
- 3 The Stair Lock Victorian Ash Balustrade and Handrails

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Stair Lock International Pty Ltd, is a leading marketer, distributor and manufacturer of custom and fabricated staircases for commercial and residential projects across Australia. Stair Lock was established in 1982 and pioneered the use of Medium Density Fibreboard (MDF) for timber staircase's and stair construction. Stair Lock's patent product and unique dovetail system is revolutionary in stair construction. The Stair Lock system of staircase is a fully engineered product that has been put through the toughest stress tests.

Stair Lock is a privately owned family business delivering world-class staircases through a range of contracted installers ensuring quality, quick turnaround and a 25 year guarantee.

2. Description of the verification.

The Good Environmental Choice Australia Ltd. manages the Good Environmental Choice – Mark of Conformity in conformance to ISO 14 024 – International Standard for Third party Environmental Labelling and Declaration as the only product life cycle independent environmental declaration in Australia (www.geca.org.au). The organisation and is an independent non-profit environmental research and certification organisation recognised as the Australian

member of an international network of ecolabelling schemes under the Global Ecolabelling Network.

Following an independent audit against the recognition requirements of the Australian Ecolabel Program by the Good Environmental Choice Australia the products have been awarded the "Good Environmental Choice" label for the Australian market. The Ecolabel is awarded to those products that meet or exceed voluntary standards of environmental performance.

The verification procedure is managed via a Documented Quality Management System and Certification Program Manuals which have made significant use of the ISO 14 000 series. The following standards have been adapted to the programs requirements, ISO 14 001, 14 0012, the 14020 series, 14 031 environmental performance evaluation, 14040

Compliance to the requirements of the Australian Ecolabel Program's Good Environmental Choice Australia No 28 - Standard Furniture and fittings has been awarded certification for the below product range Products. ISO 14 024, based environmental labelling and declaration programs identify the most important environmental loads along the product life cycle, and stipulate levels of good environmental performance on these particular characteristics. This EPD outlines the results of the verification.

3. The Products

- 1.The Stair Lock MDF based stairway system.
- 2 The Stair Lock Radiata Pine Balustrade and Pine Handrails
- 3 The Stair Lock Victorian Ash Balustrade and Handrails



The Stair Lock MDF based Stairway system is available in a range of designs to suit the application. Stair Lock Stairway systems can be applied to a wide range of construction purpose, and it's innovative design allows for fast assembly and easy post consumer recycling.

Stair Lock Radiata Pine Balustrade and Pine handrails
Stair Lock Victorian Ash Balustrade and handrails system



The Stairlock Radiata Pine Balustrade comes in three different designs to tailor to your liking and design tastes. The design patterns are as follows(diagrams above):

- Square- the most basic of all designs, the Handrails leveled off with square edges to achieve a simplistic appeal
- Chamfered – Has a slightly beveled corners, reducing angle of the edge from that of 90° to a rounded edge
- Fluted – Specially routed and shaped to give an almost Victorian appeal to the stair system.

The Stair Lock Victorian Ash balustrade and handrails have the same designs as the Radiata Pine balustrades and handrails, coming in square, chamfered or fluted for balustrades. Victorian ash however is a consistently darker timber and may be more suitable than Radiata Pine for interior design purposes.

4. Key Environmental Performance Findings by GECA

Environmental Performance Criteria	Criterion Requirements	Stair Lock Result Data
3.2 Material Selection requirements:	Sourced material contained in the furniture or fitting must have minimum weight of 10% of the overall product Wood shall not originate from a non FSC or AFS certified Source, including Controversial Sources such as: - Illegal harvesting, - Genetically modified organisms, and - Uncertified high conservation value communities	Stair Lock International Pty Ltd meet all the criteria for material source requirements. All fibre for the stairs originates from plantation forests except for the Victorian Ash components which originate from non-high conservation value forest communities.
3.2.1.2 Treatment	Materials used in products may not be treated with fungicides and insecticides that are classified as hazardous by World Health Organisation.	Stair Lock Products are not treated with Fungicides and insecticides.
3.2.1.3 Air Emissions	Limits for formaldehyde as measured using the Dessicator method is set at 1mg/L.	Stair Lock products are made from E0 board. Formaldehyde is below <0.5 mg/L.
3.2.6 Adhesives	Adhesives used must be certified by the Good Environmental Choice Label, the EU Flower label the New Zealand Environmental Choice Label or the Nordic Swan label or must satisfy the requirements of the GECA Standard No-1: Adhesives.	Adhesives used by Stair Lock comply with GECA Adhesives standard on environmental Performance criteria such as VOC Emission, no Carcinogenic substances and no heavy metals.
3.3.4 Prohibited Substances	Halogenated organic binding agents, halogenated organic flame retardants, analine based amines, phalates, aziridine or polyaziridines as well as pigments and additives that contain lead, tin, cadmium VI, mercury or their compounds shall not: 1. be added to individual furniture or fittings parts, 2. used in the manufacture of timber furniture and fittings, or 3. used in the manufacture of preparatory agents or agents 4. Surface treatments of furniture and fittings or their components.	Stair Lock International Pty Ltd Product range contains no Halogenated organic binding agents, halogenated organic flame retardants analine based amines, phalates, aziridine or polyaziridines as well as no pigments or additives that contain lead, tin, cadmium VI, mercury or their compounds that are added to the individual parts, or used in manufacturing processes or treatment processes.
3.4.1 Separability	The ecolabelled product shall be easily disassembled making possible the recovery and recycling of materials used.	Stair Lock International Pty Ltd certified products have no technical barrier when it comes to disassembly, therefore the product is easily recovered for recycling of materials.
3.4.3 Coatings and treatments	Furniture and fittings products (or components) must not be impregnated, labelled, coated or otherwise treated in a manner which would prevent post consumer recycling. Exemption may be made for products with a long product life where a coating or treatment would further extend the useful life of the product.	The Stair Lock International Pty Ltd range of products are not coated, labelled, treated or impregnated in a manner which would prevent post consumer recycling

Environmental and Social Regulatory Obligations:

Stair Lock International Pty Ltd conforms to all local, state and federal environmental regulations relevant to its operations, and the manufacturing site is suitably zoned. No breaches of local environmental regulations have been found by GECA in its assessment of Stair Lock nor have any been submitted by the manufacturer. **Stair Lock International Pty Ltd** complies with all relevant social regulations, including occupational health and safety, employee remuneration and anti-discrimination.

Additional Information

A detailed verification report is supplied to verified manufacturers regarding the environmental characteristics of their products and evidence of compliance. The verification report can be made available at the sole discretion of the manufacturer. The Australian Ecolabel Program is the national environmental product life cycle labelling program for Australia. Further details of the Australian Ecolabel Program are available at <http://www.geca.org.au>.

Good Environmental Choice Australia

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