



Licence No.: SCH - 2008

Standard: GECA 28-2006 – Furniture and Fittings

Initial Verification Conformance
Date: 11 March 2008

Schiavello Vic Pty Ltd

Good Environmental Choice -
Australia

ENVIRONMENTAL PRODUCT DECLARATION

schiaavello

The range of products produced by Schiavello have been assessed against the GECA 28-2006 – Furniture and Fittings Standard, and awarded with the Australian Good Environmental Choice Eco-Label.

1. Description of Company and Product

Company: Schiavello Vic Pty Ltd

Products: Piuma Chair, Liberty Chair, Liberty Mesh Chair, Novetta Chair

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Schiavello is one of Australia's leading international designers and manufacturers of furniture products and interiors for advanced work environments.

Brothers Tony and Joe Schiavello, who began making furniture and partitions for office interiors in Melbourne, Australia, founded the Schiavello Group in 1966. Today, the family owned company is ranked within Australia's top 500 private companies, with over 1100 employees. Schiavello currently manages over 87,000 square metres of facilities, including manufacturing plants, showrooms, corporate headquarters and sales offices.

Schiavello is committed to world's best practice principles and takes environmental issues very seriously. Our products are designed and engineered in facilities certified to local and international quality and environmental management systems. We have achieved Quality Management Accreditation to ISO9001 and environmental certification to ISO14001, the first Australian company in the industry to achieve this.

2. Description of the Verification.

The Good Environmental Choice Label is the national product life cycle independent environmental declaration in Australia (www.geca.org.au). The organisation 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. Good Environmental Choice Australia (GECA) Ltd. manages the Good Environmental Choice – Mark of Conformity in conformance to ISO 14 024 – International Standard for Third Party Environmental Labelling and Declaration.

Following an independent audit against the recognition requirements of the Australian Ecolabel Program the Schiavello range of products has 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 Manual which have made significant use of the ISO 14 000 series.

The objectives of the program are to:

- a) Provide incentives for suppliers to reduce the environmental impacts of products sold in Australia;
- b) Provide a clear, credible and independent guide to consumers wishing to take account of environmental factors in their purchasing decisions;
- c) Encourage consumers to purchase products which have lower environmental impacts;
- d) Recognize genuine moves by companies to reduce the adverse environmental impacts of their products;
- e) Aim ultimately to improve the quality of the environment and to encourage the sustainable management of resources.

3. The Products

The following Schiavello products have been awarded the Good Environmental Choice Declaration:

PRODUCT	PRODUCT INFORMATION
Product 1	Piuma Chair
Product 2	Liberty Chair
Product 3	Liberty Mesh Chair
Product 4	Novetta Chair



Piuma Chair

Piuma is a contemporary mesh back chair, adaptable to task and executive seating.

Featuring a contoured mesh back, stretched taut across a sturdy external frame, Piuma allows the fabric to breath whilst offering total support.

Liberty Chair

The Liberty chair is ergonomically designed specifically to accommodate frequent, spontaneous changes of position assumed throughout the working day.

Challenging conventional chair design, renowned American designer, Niels Diffrient, has developed an office chair like no other - it automatically supports the body's every position, without relying on locking mechanisms and manual controls.



Liberty Mesh Chair



Internationally acclaimed designer, Niels Diffrient created the Liberty Mesh Chair upholding the philosophy that all task chairs should fit like a suit. The result was a soundly engineered tri-panel mesh which displaced pressure across the back region without the need for manually adjusted external lumbar support devices.

The new Liberty Mesh chair is the first tri-panel, non-stretch mesh task chair, providing optimal postural support for all shapes and sizes, with vast improvements on workplace performance and satisfaction.

Novetta Chair

Schiavello's Novetta range includes a general task chair or drafting chair in two different back sizes, with or without arms. Novetta features an ergonomically contoured foam seat with seat and armrest height adjustment.

There is also the synchro-tilt mechanism with multi-lock and anti-shock.



4. Key Environmental Performance Findings by GECA

The key environmental performance criterion against which the Schiavello products were assessed, and the findings by GECA, is provided below.

Environmental Requirements	Core Environmental Performance Characteristics
<p>3.1 Fitness for Purpose Certified products should be good performers in their intended application. Certain</p>	<p>Schiavello are a leading producer of office chairs in Australia. GECS has received written confirmation from the Managing Director with regards to the 5 year warranty terms.</p> <p>The Office Chair Manufacturers of Australia Pty Ltd – OCMA, operates a Quality Management System that complies with the requirements of AS/NZS ISO 9001: 2000. GECS has reviewed this</p>

<p>standards of quality and durability are implicit in the Label. The manufacturer must ensure that the product is fit for its intended purpose</p>	<p>ISO 9001 certificate awarded by NCS International on the 23.05.07. GECS has reviewed a Quality Plan Inspection Record form that includes non-conformance testing, as well as visual and functional inspections on Schiavello chairs and their various components. Sample production quality control form was received and reviewed.</p> <p>The nominated products come with a 5 year standard conditional warranty for the product and replacement parts.</p> <p>The Piuma chair has been certified against the requirements of ANSI/BIFMA X5.1- 2002.</p>
<p>3.2.2.1 Resin Identification Codes</p> <p>To be licensed to carry the Label, appropriate plastics resin identification code promulgated by the Plastics and Chemical Industry Association must be marked on each individual recycled plastic products or components weighing greater than 100g.</p>	<p>All plastic components weighing greater than 100g are appropriately marked with a plastic resin identification code. The base and back (inner and outer) of the chairs under assessment are coded with the appropriate resin codes. In the case of the Piuma seat base and back there is no resin code displayed, Schiavello have undertaken to apply these with the use of a sticker, Schiavello have also requested the manufacturer of these components applies a resin code to these components. The use of the Sticker has been verified during a site assessment of the Schiavello assembly site, as well as being confirmed in writing by their Managing Director.</p>
<p>3.2.3 Padding material</p> <p>3.2.3.1 Synthetic latex and natural latex requirements</p> <p>Latex containing 1.3 butadiene shall be at levels \leq 1mg/kg latex.</p> <p>The total amount of discharges (measured as COD or TOC) from the production of foam rubber shall be treated and decreased by 90% in on-site or external sewage treatment works prior to emissions into waterways.</p>	<p>There is no synthetic latex or natural latex used in the foam component of the chair under assessment.</p>
<p>3.2.3.2.1 Additives</p> <p>1. CFC, HCFC, HFC or Methylene Chloride shall not be used as blowing agents.</p> <p>2. Aniline based amines, and pigments and catalysis based on mercury, lead, cadmium, and chromium must not be added to the padding material.</p> <p>3. Where organic tin catalysts are used in the production of flexible</p>	<p>A review of MSDS for the foam components from the various suppliers indicates compliance to the requirements of this criterion for the Piuma and Liberty chairs. According to the MSDS, none of the abovementioned prohibited substances are used in the product under assessment. This has been further verified with a signed declaration from the various suppliers stating that the blowing agents used for the Polyurethane padding are not CFC, HCFC, HFC nor Methylene Chloride. No other substances dealt with under this criterion are applicable.</p>

<p>polyurethane, the manufacturer must have in place a contract with a licensed or registered hazardous waste disposal company who is responsible for the correct disposal of the hazardous waste.</p>	
<p>3.2.6 Adhesives Adhesives 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 satisfy the requirements of the GECA Standard No – 1: Adhesives.</p>	<p>A water-based adhesive is used to bind foam to the seat base and to fasten textiles to this foam. GECS has reviewed an MSDS for the adhesive and has found it to be fully compliant with the requirements of GECA Standard No – 1: Adhesives.</p>
<p>3.3.1 Overall Loads In order to promote the reduction of pollutant hazards in the disposal, landfill and/or incineration of end of life furniture, the following substances shall not be added to eco-labeled furniture during the production process: Arsenic Cadmium Chromium Copper Lead Mercury Fluorine Chlorine Pentachlorophenol (PCP) Tar oils (benzo(a)pyrene)</p>	<p>Schiavello have confirmed in writing that no additives dealt with above are contained in the chairs under assessment. The chairs are primarily comprised of PP plastic, polyurethane and steel. A review of MSDS for the various polyurethane components conducted in the above criterion 3.2.3.2 also indicates that none of the above-mentioned substances are used in the production process. This has been further verified via other documentation received.</p> <p>Furthermore, GECS has received a signed Declaration from the Managing Director confirming Schiavello’s claims against the criteria of the Furniture and Fittings Standard; and in particular, confirming that none of the hazardous substances dealt with in this criterion and 3.3.2 prohibited substances below are used in the product under assessment. The gas lift is highly polished steel and is coated with some chrome finish. However, this is exempt under the requirements of the below criterion 3.3.2 Prohibited Substances for reasons of heavy physical wear. GECS has further confirmed the components that make up the product during site assessment and is confident that Schiavello comply with the requirements of this criterion.</p>
<p>3.3.2 Prohibited Substances Furniture or fittings shall not contain carcinogenic substances in categories 1 or 2A as classed by the International Agency for Research on Cancer – http://monographs.iarc.fr/ENG/Classification</p>	<p>No solvents or prohibited substances listed under this criterion are applicable, and this has been verified through a review of Material Safety Data Sheets for the various components.</p>
<p>3.4.1 Separability The eco-labeled product shall be easily disassembled making possible the recovery and recycling of materials used. In order to facilitate recycling of the materials used in</p>	<p>The nominated chairs from Schiavello, are designed for disassembly. The component materials (steel, plastic and foam) are able to be re-used or recycled. This was verified by GECS during site assessment of the manufacturing site, as well as through review of appropriate product information documentation.</p>

<p>products, the following materials have to be easily separated:</p> <ul style="list-style-type: none"> - Aluminium, if it comprises $\geq 5\%$ by weight of the eco-labelled product; - Steel, if it comprises $\geq 10\%$ by weight of the eco-labelled product; - Glass, if it comprises $\geq 10\%$ by weight of the eco-labelled product; - Plastic, if it comprises $\geq 20\%$ by weight of the eco-labelled product. 	
<p>3.4.2 Product Custodianship The applicant shall accept their product without additional cost (not including transportation costs) for further recycling, or have arrangements with an Australian plastics or steel recycler to accept the product, or have an established product stewardship program.</p>	<p>Schiavello have an appropriate take-back policy in place whereby products can be returned to their Tullamarine, Victoria production facility for re-use or recycling of the various components. Schiavello have also committed to issuing an annual report that details how the products and product components were recycled or re-used as appropriate. Clients can indicate their desire to enter into a product stewardship agreement prior to purchase as part of this take-back policy. GECS is confident Schiavello has the technical ability to implement this product custodianship policy successfully and with a positive environmental outcome.</p>
<p>3.4.3 Coatings/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.</p>	<p>There are no coatings or treatments applied to the Schiavello chairs that will prevent post consumer recycling. This has been confirmed via a signed declaration and product inspection.</p>
<p>3.4.4 Replacement Parts For those parts of a product which are subject to wear, e.g. hinges, locks, table leaves, functionally compatible replacements shall be guaranteed for a period of at least five years.</p>	<p>Schiavello provide a 5 year warranty for the product as well as replacement parts, and thus satisfy the requirements of this criterion.</p>

<p>3.4.7 Packaging Requirements Chlorinated or halogenated plastics must not be used in product packaging. Used packaging shall be able to be recycled by local recycling systems.</p>	<p>During a site inspection, GECS confirmed that the plastic packaging used is made of a material which is not chlorinated or halogenated and is recyclable in most local recycling systems.</p>
<p>3.4.8 Product Information The manufacturer must provide written information to the consumer clearly stating: · The intended use of the product. · Instructions for correct use and storage so as to maximise the product lifetime. · Maintenance instructions, if required. Maintenance instructions must not specify the use of any chemical or coating limited by any part of this standard. · Recycling instructions for the product end-of-life.</p>	<p>GECS have reviewed sample product information that is provided to consumers at point-of-sale and is satisfied that the requirements of this criterion are met.</p>

5. Environmental and Social Regulatory Obligations:

The applicant is required to comply with relevant environmental legislation and government orders at the Local, State and Commonwealth level, if these have been issued. An applicant's compliance with this criterion may be established by undertaking a series of random checks and gathering samples of applicant operational procedures and documents by approved assessors as evidence to support compliance during the verification and /or a statement of self declaration by an executive officer of the applicant organisation. Where an applicant is from an overseas jurisdiction, that jurisdictions environmental regulations apply.

An applicant shall demonstrate that all employees are covered by a Federal or State award or a certified industrial agreement or a registered workplace agreement as determined by the Industrial Relations Commission, the Employment Advocate or a State or Territory Workplace Relations Agency.

An applicant shall demonstrate general compliance to the terms

of State or Territory Legislation concerning Occupational, Health and Safety and/or the *Commonwealth Safety, Rehabilitation and Compensation Act 1988* where applicable. Where the applicant is subject to a breach order by a government agency or a guilty verdict by an Australian Court within the last 24 months on the basis of a breach of State, Territory or Commonwealth Occupational, Health and Safety Legislation there must be evidence of corrective action.

The applicant shall demonstrate general compliance to 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. Applicants cannot be in the list of 'named' or non-compliant employers under the *Equal Opportunity for Women in the Workplace Act 1999*. Where the applicant is subject to a breach order by a government agency or a guilty verdict by an Australian Court in the last 24 months on the basis of a breach of these Acts there must be evidence of corrective action.

Where an applicant is from an overseas jurisdiction, the applicant shall demonstrate general compliance to that jurisdictions anti-discrimination, occupational health and safety and workers compensations regulations. Where the applicant is subject to a breach order by a government agency or a guilty verdict by a legal court in their respective country within the last 24 months on the basis of a breach of anti-discrimination, occupational health and safety and workers compensations regulations there must be evidence of corrective action.

An applicant's compliance with these criteria may be established by undertaking a series of random checks and gathering samples of applicant operational procedures and documents by approved assessors as evidence to support compliance during the verification and/or a statement of self declaration by an executive officer of the applicant organisation.

The manufacturing site is primarily concerned with assembly of components and hence does not generate any significant emissions except industrial waste. GECS has reviewed a statement from the Managing Director stating that the company complies with all relevant environmental legislation at the Local, State and Commonwealth level. GECS has also conducted a site assessment of the Schiavello Tullamarine assembly site and found it to be a very clean and tidy operation. GECS has reviewed an AS/NZS ISO 14001: 2004 certificate awarded by NCS International as well as an AS/NZS ISO 14001: 2004 certificate awarded by NCS International for Office Chair Manufacturers of Australia Pty Ltd, both demonstrating that an Environmental Management System is in place. In addition, GECS reviewed the Trade Waste licence which outlines provisions for waste discharge from the powder coating operation. Finally, a certificate of analysis for water sampling in accordance with trade waste licence, conducted by Environmental Consulting Pty Ltd provided further evidence of compliance to environmental regulations.

All recyclable waste is collected for recycling.

To demonstrate compliance with this criterion, Schiavello has provided GECS with sample pay slips, a certificate of currency, as well as a copy of Schiavello's Standard Contract of Engagement. Furthermore, GECS has received a signed declaration stating that Schiavello have not been subject to a breach order by a government agency or a guilty verdict by an Australian Court within the past 24 months, and in relation to a breach of labour, anti-discrimination and safety regulations as stipulated above. GECS is confident that Schiavello complies with the requirements of this criterion.

6. 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 from www.geca.org.au

Good Environmental Choice Australia recommends these products to green purchasing officers, specifiers, and every day Australians seeking to purchase products and services on the basis of functional and overall environmental and human health performance.

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