



Lic No.: WAT - 2006

Standard: GECA 23-2005 – Architectural Coatings

Initial Verification Conformance Date: 20 December 2006

Wattyl Australia Pty Ltd

Good Environmental Choice - Australia

ENVIRONMENTAL PRODUCT DECLARATION



The Wattyl Acrylic Sealer Undercoat and Wattyl i.d® product ranges have been assessed against the GECA 25-2005 –Architectural Coatings Standard, and awarded with the Australian Good Environmental Choice Eco-Label.

1. Description of Company and Production

Wattyl Australia Pty Ltd

Products: Wattyl Acrylic Sealer Undercoat, Selected i.d® interior base paints

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Wattyl Australia Pty Ltd was founded in 1915 and produces paints, varnishes, lacquers and special purpose protective coatings for a wide range of private, contract and industrial applications.

Listed on the Australian Stock Exchange in 1959, Wattyl employs over 2000 people in Australia and New Zealand and presently sits as the leading Australian-owned paint manufacturer.

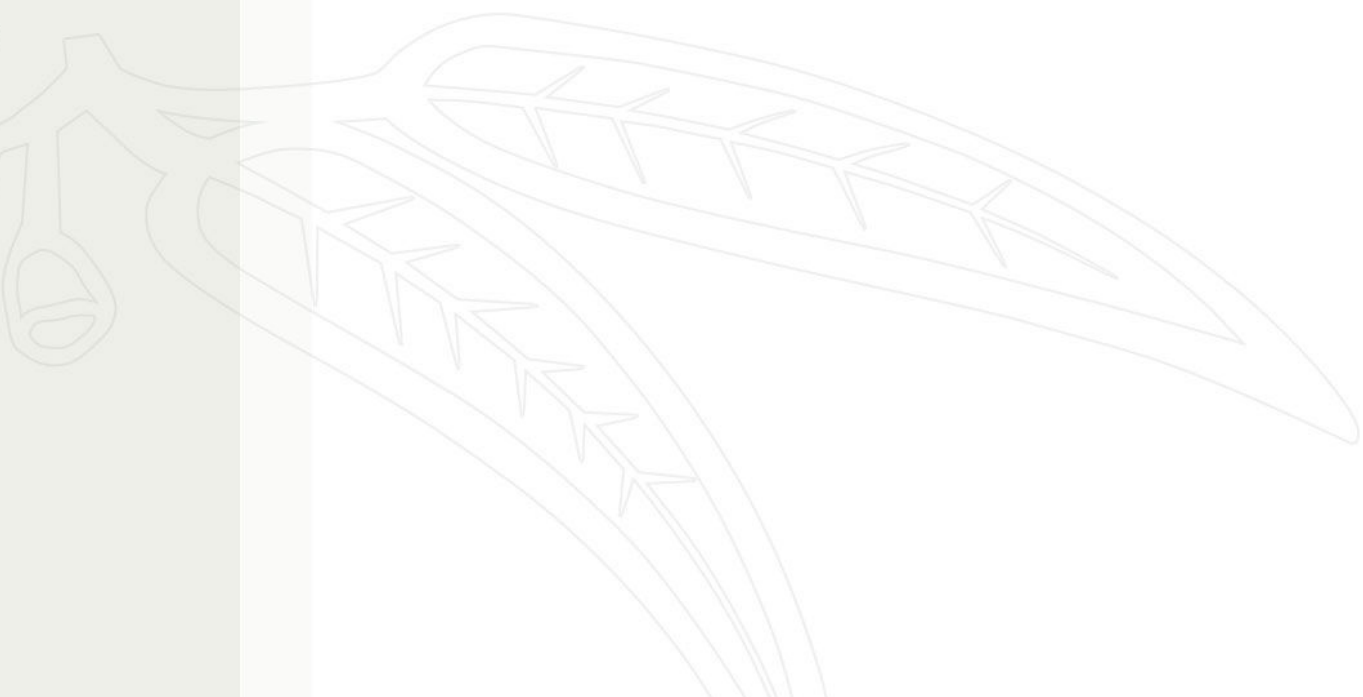
2. Description of the Verification.

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 Wattyl acrylic sealer undercoat product and i.d interior base paints 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 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:



Function: Interior paints	Brand: Wattyl i.d® Base Paint (NOTE: the addition of pigments has not been assessed as part of the certification process.)	Products: <ul style="list-style-type: none"> - i.d. Satin Interior Wall Paint. - i.d. Low Sheen Interior Wall Paint. - i.d. Matt Interior Wall Paint. - i.d. Ceiling White. - i.d. Acrylic Sealer Undercoat.
The scope of the certification: Compliance to the requirements of the Australian Ecolabel Program's Architectural Coatings Standard GECA 23-2005. 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.		

4 Key Environmental Performance Findings by GECA

The key environmental performance criterion against which the Wattyl i.d Acrylic Sealer Undercoat and i.d base paints were assessed, and the findings by GECA, is provided below.

Wattyl Acrylic Sealer Undercoat

Environmental Requirements

Core Environmental Performance Characteristics

Fitness for Purpose <i>Certified products should be of high quality and perform well in their intended application. High standards of product performance are implicit in the label</i>	Wattyl Australia is ISO 9001:2000 certified. The products have been market tested by Wattyl via an internal testing mechanism. All Wattyl products undergo assessment by APAS (Australia Paint Approval Scheme) Wattyl Australia maintain a NATA approved laboratory on site at the Kilburn SA plant The laboratory orders corrections to the
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	tested batch to ensure consistency.
VOC Levels <i>The requirements for interior sealer are 65 grams per litre as a maximum allowable VOC content.</i>	<p>The Wattyl Acrylic Sealer Undercoat, the subject of this report is similar in make up to the Wattyl i.d base paint certified by GECA as part of the assessment for licence number WAT- 2004.</p> <p>Internal factory VOC measurement for the undercoat product is 0.3 g/L (based on total VOC from known VOC of ingredients). The Wattyl id VOC testing preformed by CSIRO returned a figure of 0.5 g/L. This product contains less than 1 g/L of VOC's.</p>
Titanium Dioxide Levels <i>Levels should not exceed 40 g/m² of dry film.</i>	<p>GECA has been given access to production information during a site assessment. Titanium dioxide levels were found compliant with the requirements of this criterion at 19.69g/m² dry film.</p>
Glycol Ethers <i>Architectural coatings must not contain any of the glycol ethers listed in this criteria, please refer to the following:</i> http://www.geca.org.au/standards/GECA%202023-2005%20-%20Architectural%20Coatings.pdf	<p>Production sheet for the product obtained by GECA during the site assessment and a review of MSDS for all production ingredients show Glycol Ethers are not used</p>
Heavy Metals <i>Sb, Ba, Cd, Pb, Cr, Hg, and Arsenic or any toxic heavy metals and their compounds shall not be added during production.</i>	<p>Inspection of MSDS for production ingredients and ingredients lists show no heavy metals are added to the product.</p>
Packaging <i>All plastic packaging containers must have a plastic resin identification code clearly visible on each container. Before use, packaging must not be impregnated, labelled, coated or otherwise treated in a manner that would prevent recycling. Paint containers must be made of materials that are able to be recycled.</i>	<p>The Wattyl undercoat product is marketed in a steel can, these are fully recyclable.</p>
Carcinogenic Substances <i>Approved paints should not contain substances listed as carcinogenic by the International Agency for Research of Cancer (lists 1A, 2B) at a rate of exposure not exceeding one twentieth (1/20) of those defined by exposure standards determined by the National Occupational Health and Safety Commission (Work safe Australia).</i>	<p>GECA has reviewed MSDS for all production ingredients, the production ingredient Unimin Talc contains respirable silica at less then 1%, the user is however not exposed to this substance once the paint is dry and the room is in use.</p>
Restricted Substances <i>Alkyl phenol alkoxylates (APEO's) shall not be added during production</i>	<p>A review of MSDS for all production ingredients and a review of ingredients lists finds no APEO's are added to the product during manufacturing.</p>
Use of Ozone-Depleting Substances in Industrial Solvents and Cleaning Agents <i>The solvents used to clean the production equipment of architectural coatings must not</i>	<p>The production machinery is easily washed in water only; the machinery does not require the use of any cleaning solvents.</p>

contain ozone depleting substances as listed in Annex A, Annex B and Annex C of the Montreal Protocol or certain other specific substances	
Solvents <i>The paint shall not be formulated or manufactured with more than 20% by weight of hydrocarbon solvents, or with any aromatic hydrocarbon solvents, halogenated solvents or using ethylene glycol</i>	The product is water based and does not contain any solvents. According to the manufacturer and from the MSDS and production sheets the product does not contain any of the substances dealt with by this criterion.

Wattyl Selected i.d® interior base

Paint:

Environmental Requirements

Core Environmental Performance Characteristics

Fitness for Purpose <i>Certified products should be of high quality and perform well in their intended application. High standards of product performance are implicit in the label</i>	Wattyl Australia is ISO 9001:2000 certified. The product has been market tested by Wattyl via an internal testing mechanism. All Wattyl products undergo assessment by APAS (Australia Paint Approval Scheme) Wattyl Australia maintain a NATA approved laboratory
VOC Levels <i>The requirements for interior semi-gloss, low sheen, and flat products are: 16 grams per litre as a maximum allowable VOC content. The requirements for interior flat ceilings is 14 grams per litre as a maximum.</i>	Products contain less than 1g/L of VOC's, this has been verified via review of MSDS and production ingredients/formulations by GECA.
Titanium Dioxide Levels <i>Levels should not exceed 40 g/m² of dry film.</i>	GECA has been given access to production information during a site assessment. Titanium dioxide levels were found compliant with the requirements of this criterion
Glycol Ethers <i>Architectural coatings must not contain any of the glycol ethers listed in this criteria, please refer to the following: http://www.geca.org.au/standards/GECA%2023-2005%20-%20Architectural%20Coatings.pdf</i>	Production sheet for the product obtained by GECA during the site assessment and a review of MSDS for all production ingredients show Glycol Ethers are not used.
Heavy Metals <i>Sb, Ba, Cd, Pb, Cr, Hg, and Arsenic or any toxic heavy metals and their compounds shall not be added during production.</i>	Products do not contain heavy metals.
Packaging <i>All plastic packaging containers must have a plastic resin identification code clearly visible on each container. Before use, packaging must not be impregnated, labelled, coated or otherwise treated in a manner that would prevent recycling. Paint containers must be made of materials that are able to be recycled.</i>	All tin packaging is recyclable.

Carcinogenic Substances <i>Approved paints should not contain substances listed as carcinogenic by the International Agency for Research of Cancer (lists 1A, 2B) at a rate of exposure not exceeding one twentieth (1/20) of those defined by exposure standards determined by the National Occupational Health and Safety Commission (Work safe Australia).</i>	No other known carcinogens except silica (respirable carcinogen). No exposure to silica during the use of relevant products – potential exposure only during product removal via airborne silica, which can be avoided through the use of appropriate safety-ware and face-masks.
Restricted Substances <i>Alkyl phenol alkoxylates (APEO's) shall not be added during production.</i>	Products do not contain APEO's
Use of Ozone-Depleting Substances in Industrial Solvents and Cleaning Agents <i>The solvents used to clean the production equipment of architectural coatings must not contain ozone depleting substances as listed in Annex A, Annex B and Annex C of the Montreal Protocol</i>	Products do not contain ozone-depleting substances
Hydrocarbon Solvents Content <i>max. 20% dry-weight</i>	Products do not exceed allowable limit.

4. Environmental and Social Regulatory Obligations:

Wattyl have been found compliant to the regulatory compliance requirements of the standard.

A new water effluent cleaning system has recently been installed at the Kilburn site, levels of suspended solids since this system was put in place have been very low, accumulated waste is properly disposed.

The Kilburn site has appropriate arrangements with recyclers to minimize landfill waste.

Based on this assessment GECA is satisfied that Wattyl Australia is in full compliance with labour anti discrimination and safety regulations.

5. 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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