



Resene

T H E E N V I R O N M E N T A L C H O I C E



Eco House, Wellington - The house design, like an increasing number around New Zealand, is based on ecological principles and features Resene paint throughout.

Since 1946, we at Resene have forged a reputation for manufacturing products designed to meet the demanding standards of the architectural and building professional. Today, that reputation is the cornerstone of our company's continued success. Since the introduction of waterborne paint to a market starved of quality products in the 1950's, we have developed a range of paints and specialist coatings that is second to none.

Most have set new standards for other manufacturers and all are the result of intensive research and testing.

Along with the technical innovation, we have always been keenly aware of the need to reduce the risk our products may present to our customers and the environment, long before it became fashionable. Not only did the basic innovation of Resene waterborne paints reduce the level of toxic solvents, but other steps such as the removal of lead from our decorative paints in the late 1960s have been well ahead of their time. As paint materials have become identified as causing concerns for health, we have always immediately put into place research to identify safer paint ingredients. To reinforce this position we have joined the Environmental Choice Programme, making it easier for consumers to select paints that ease the burden on the environment.

Environmental Choice New Zealand is a programme endorsed by the Minister for the Environment. It is aimed at improving the quality of the environment by minimising the adverse environmental impacts generated by the production, distribution, use and disposal of products.

Resene's commitment to the Environmental Choice Programme will ensure that safer, professional quality paints are available to everyone.



The Eco House features a Resene painted interior that provides a better living environment.

It is now possible to paint an entire house or building using Resene Environmental Choice paints.

**WITH NO INCREASE IN PRICE, RESENE CUSTOMERS ENJOY SAFER,
LESS HAZARDOUS PAINTS, WITH EVER IMPROVING QUALITY STANDARDS**

Our philosophy on environmental safety, together with the Environmental Choice Programme, ensures these benefits are available to all users:

- Resene paints carrying the certification mark meet the criteria of the Environmental Choice Programme.
- We are committed to reducing the more hazardous components of our paints while at the same time improving our high quality standards.
- Our policy covers a comprehensive range of waterborne primers, undercoats, topcoats, pigmented and clear coatings, mastics and specialised waterproofing and textured coatings. Resene can offer an environmental choice for almost all painting situations.
- Our Environmental Choice products are from the existing range of Resene paints, confirming our commitment to quality.
- Some of the innovative techniques used to achieve compliance have actually improved performance, for example, increased scrub resistance in Resene Zylone Sheen, Resene Zylone 20 and Resene Ceiling Paint.
- While Resene paints odour levels are not high, the patented low odour technology in Resene Zylone Sheen, Resene Zylone 20 and Resene Ceiling Paint provides more pleasant working and living conditions during painting, with less downtime waiting for unpleasant odours to disappear.
- Improvements in the quality of the working environment benefit those who are most at risk through handling the product every day. This is highlighted by the inclusion of the Resene Decorator trade range of paints in the Environmental Choice Programme.
- Improved working environments lead to improved concentration levels and a greater feeling of well-being for users, as well as placing less stress on the body's natural defences.
- Compliance to the heavy metal requirements of the Environmental Choice Programme, as practised by Resene for over 30 years, avoids possible poisoning of people, animals, food chains and the environment.
- All products are manufactured under a quality system certified as complying with ISO 9001 by Telarc, an accredited certification body. Most Resene Environmental Choice products are approved by the Australian Paint Approvals Scheme (APAS).
- This brochure contains detailed information about the Environmental Choice Programme together with information and recommendations on recycling, cleaning equipment and disposing of unwanted paint, protecting your eyes, dealing with lead, and using respirators and solvents - see the Putting Your Safety First brochure in the back pocket.

**ENVIRONMENTAL CHOICE NEW ZEALAND -
PAINTS REQUIREMENTS SPECIFICATION EC-07-01**

General Requirements

To be licensed to carry the Environmental Choice Certification Mark the paint must:

- meet or exceed the requirements of all applicable governmental acts and regulations and industrial safety standards and performance standards in New Zealand; and
- be manufactured and transported in such a manner that all steps of the process, including the disposal of waste products arising therefrom, will meet the requirements of all applicable governmental acts and regulations and industrial safety standards in the producing country, and in New Zealand as regards transport in New Zealand.

Note: In Australasia, Standards for paints are published by the Standards Association of New Zealand (SANZ), Australian Paint Approvals Scheme (APAS) and Standards Association of Australia (SAA).

Product Specific Requirements

To be licensed to carry the Environmental Choice Certification Mark the paint must:

- Not be formulated or manufactured with formaldehyde or have the potential to release formaldehyde during use; and
- not be formulated or manufactured with halogenated solvents; and
- not be formulated or manufactured with mercury, arsenic or selenium or their compounds or be tinted (including at the point of sale) with pigments of lead, cadmium, chromium VI or antimony. Exempted from this requirement are impurities of the elements listed above which are contained in the raw materials and components and which do not exceed a combined total of 0.1% by weight of non-volatile content and which have individual element contents that do not exceed the limits specified. Individual and total element contents shall be determined using a method such as ASTM D2348 for arsenic and atomic absorption spectroscopy procedures such as ASTMs D3717, D3718, D3335 and D3624 for the other elements listed above; and
- not contain volatile organic compounds (VOC's) in excess of 70g per litre of paint (including the water diluent) for sub-category 4.1 (being... all paints which have water as the primary solvent/diluent component) Undercoats, Interior and Exterior Low Sheen paints, Interior and Exterior Flat paints; 90g per litre of paint (including the water diluent) for sub-category 4.1 (being... all paints which have water as the primary solvent/diluent component), Interior and Exterior Semi-Gloss paints, Interior and Exterior Gloss paints, Sealers, Primers; 100g per litre of paint (including the water diluent) for sub-category 4.1 (being... all paints which have water as the primary solvent/diluent component), all products other than those listed above; 300g per litre of paint for sub-category 4.2 (being... all paints which have an organic solvent as the primary volatile component and surface coating systems such as very high solids, 100% solids), and 150g per litre of paint for sub-category 4.3 (being... all paints where the recycled content constitutes more than 20% by weight of the final product), the calculation of VOC shall exclude any tinting colourant added at the point of sale but shall include diluent required by the manufacturer to be added for application. VOC's shall be determined using a method such as ASTM D3960. Where the VOC content is in excess of the above limits the identity and purpose of all the VOC's shall be stated in the relevant test report to show that excess VOC's comply with the exclusion in clause 2.7 (being... "raw material" means an unprocessed substance used in the manufacture of paint); and
- not be formulated or manufactured with more than 25% by weight of hydrocarbon solvents, based on the total formulation; and

- not be formulated or manufactured with aromatic hydrocarbon solvents; and
- not be formulated or manufactured with more than the limits specified for any of the substances listed in the Toxic Substances Regulations, and with a cumulative total of not more than 0.5% by weight of these substances, based on the total formulations; and
- not be formulated or manufactured with more than the TLV-TWA limits specified for any of the chemicals listed in the ACGIH Source List for carcinogens published in the Chemical Guide to the ASHA Hazard Communication Standard by Roytech Publications, USA; and
- not be formulated or manufactured using ethylene glycol as an integral part of the paint formulation; and
- not be formulated or manufactured with any substances listed with the current International Agency for Research on Cancer (IARC) in Groups 1, 2A and 2B; and
- meet the performance requirements of a relevant New Zealand or Australian paint standard; and
- have the relevant New Zealand or Australian paint standard clearly displayed on the container label; and
- have any flammability hazard marked on the label of the container; and
- be packaged in paint containers made of materials that are able to be recycled. Before use, packaging must not be impregnated, labelled, coated or otherwise treated in a manner that would prevent recycling. All plastic packaging must have a plastic resin identification code clearly visible on each container; and
- have effective energy management policies, procedures and/or an energy management programme; and
- be accompanied by appropriate and acceptable information describing disposal methods for the container and for any remaining paint, and methods of cleaning application equipment.

Verification

- To verify a claim that a product meets the requirements listed in the specification, Environmental Choice New Zealand will require access to relevant quality control and production records and the right of access to production facilities.
- Test results submitted in support of a claim that a product meets the requirements detailed in clause 5 of this specification shall be the results of tests performed by a testing laboratory acceptable to Telarc such as a laboratory registered by Telarc, or accredited by an accreditation authority recognised by Telarc, for the specified tests. Test reports should be Telarc endorsed, or bear the endorsement of the recognised accreditation authority. Other test methods equivalent to those specified may be used. Telarc may require the detailed test method to be submitted together with a validation of the test method.
- Compliance with these requirements shall be stated in writing and signed by the Chief Executive Officer of the applicant manufacturer or importer. This statement should be supported by appropriate documentation of production methods and quality controls.

Note: Environmental Choice New Zealand shall be advised in writing immediately by the Licensee of any non-compliance with any requirement of this specification that may occur during the term of the licence to use the Mark. On the occurrence of any non-compliance the licence may be suspended or terminated as stipulated in the Licence Conditions. The Licensee may appeal any such suspension.

Part of Resene's extensive Environmental Choice range.



These three Resene Environmental Choice paints are virtually odourless, creating a better working and living environment.

THE RESENE ENVIRONMENTAL CHOICE PRODUCT RANGE

IS THE MOST COMPREHENSIVE CURRENTLY AVAILABLE

In the right hand column is a list of Resene paint products licensed to carry the Environmental Choice Certification Mark No. 1296003.

Each product will display this certification mark on its respective product data sheet as well as on the container in Resene ColorShops nationwide.

LET'S CLEAR THE AIR

While researching innovative ways to reduce the level of solvents in our coatings, a new approach allowed us to remove virtually all odorous material from:

Resene Zylone Sheen

Resene Zylone 20

Resene Ceiling Paint

Indoor air quality has increasingly become an issue for architects, specifiers, design professionals, painters and those who have to live or work in newly painted rooms.

Rigorous testing ensured there was no drop-off in quality, in fact these coatings are more durable and have greater scrub resistance than their predecessors. This is a clear example of the challenge of compliance leading to even greater quality improvements.

Let's clear the air! Improving indoor air quality can help prevent: headaches, asthma, nausea, dizziness, respiratory complaints, allergic reactions and improve general well-being.

It simply makes sense, in more ways than one, to use the paint the professionals use.

Products	Descriptor	Data Sheet
FINISHING PRODUCTS		
Sonyx 101	Semi-Gloss Acrylic	D30
Hi-Glo	House and Roof Paint	D31
Lumbersider	All Purpose Acrylic	D34
Zylone 20	Acrylic Flat Wallpaint	D37
Contractor	High Build Acrylic	D301
Zylone Sheen	Low Sheen Washable Wallpaint	D302
Blacktop	Driveway Coating	D304
Ceiling Paint	Flat Ceiling Paint	D305
Paint Effects Medium	Acrylic Paint Effect	D307
Enamacryl	Gloss Waterborne Enamel	D309
Lustacryl	Semi-Gloss Waterborne Enamel	D310
Zylone SpaceCote	Low Sheen Waterborne Enamel	D311
Pearl Shimmer	Acrylic Pearlescent Glaze	D312
PRIMERS, SEALERS, UNDERCOATS		
Broadwall Surface Prep		D807
Particle Board Sealer		D43
Quick Dry	Acrylic Primer Undercoat	D45
Membrane Roofing Primer		D49
Galvo-Prime	Acrylic Galvanised Iron Primer	D402
Broadwall	Acrylic Wallboard Sealer	D403
Acrylic Undercoat	General Purpose	D404
STAINS, CLEAR COATINGS		
Multishield+	Acrylic Glaze	D45a
Waterborne Colorwood	Interior Wood Stain	D50a
Waterborne Woodsman	Penetrating Wood Stain	D57a
Aquaclear	Urethane Acrylic Varnish	D59
WATERPROOFING PRODUCTS		
X-200	Acrylic Waterproofing Membrane	D62
Thixalon 5	High Build Barrier Coating	D63
Flexicover E	Acrylic Elastomeric Coating	D64
AquaShield	Mineral Effect	D601
TEXTURED COATINGS		
Resitex Standard	High Build Textured Wall Coating	D70
Resitex Medium	High Build Textured Wall Coating	D70
Resitex Coarse	High Build Textured Wall Coating	D70
Sandtex	Textured Wall Coating	D71
RESENE ENGINEERED COATING SYSTEMS		
Aquapoxy	Waterborne Epoxy	RA42
DECORATOR - TRADE RANGE		
Decorator	100% Acrylic Gloss	
Decorator	Acrylic Semi-Gloss	
Decorator	Acrylic Low Sheen	
Decorator	Acrylic Ultra Low Sheen	
Decorator	Acrylic I/E Flat	
Decorator	Acrylic Ceiling Flat	
Decorator	Acrylic Primer Undercoat	
Decorator	Acrylic Sealer Undercoat	
Decorator	Acrylic High-Build Undercoat	
Decorator	Acrylic Easy Sand	

OUR COMPREHENSIVE PRODUCT RANGE IS AVAILABLE IN ALL RESENE COLOURS

THE FUTURE IS GREENER THAN EVER BEFORE

Our current position has been reached through an evolution of company philosophy, of which Environmental Choice certification is one very important part. Environmental Choice is simply the result of a continuous development programme that will deliver greener pastures for all Resene customers.

Intensive ongoing research will also enable us to offer consumers an even greater choice in selecting paint systems.

In our quest for excellence, we will lead the way in providing premium quality paints that are safer and less hazardous. That is why Resene paint truly is, the paint the professionals use.



Look for the mark on our product data sheets and on Resene paint containers - it is confirmation they meet the requirements of the Environmental Choice Programme.

For further enquiries and expert advice, call us free on 0800 RESENE (NZ), 1800 738 383 (AUST), visit www.resene.co.nz (NZ), www.resene.com.au (AUST) or call into your local Resene ColorShop or Reseller.

Resene
the paint the professionals use



Water Based Paint
License No. 129003

Resene

the paint the professionals use