

## Tiger Profiles & Insulation LLC – Solacoat Cool-it Ceram Topcoats and Solacoat White & Pastel Gloss Acrylic Topcoats

### Overview

A range of energy efficient coatings that reduce solar radiation heat penetration, lowering internal temperatures, thus reducing the need for mechanical cooling. Suitable for use on a range of materials, including exterior metal, tile and masonry surfaces in residential and commercial projects.



### Product Description

Tiger Profiles range includes *Solacoat Cool-it Ceram Topcoats* and *Solacoat White & Pastel Gloss Acrylic Topcoats*.

*Solacoat Cool-it Ceram Topcoats* are a range of highly durable, selected topcoats in a range of colours for use on roofs (metal or tiled). The technology used permits significantly lower heat absorption to under-roof space, reducing internal temperatures up to 8-12°C, depending on the colour selected. This reduced heat influx through the roof cavity results in reduced demand on air-conditioning systems devices and consequent cost and green-house gas emissions savings through reduced electricity consumption.

*Solacoat White & Pastel Gloss Acrylic Topcoats* is a high opacity acrylic paint finish designed for moderating temperature extremes on exterior surfaces (brick, masonry, plaster, galvanised steel, zincalume or aluminium). Its tough, flexible finish gives long lasting protection against weathering and resistance against mould and fungal growth. The paint has several characteristics, including strong adhesion, flow and quick drying, allowing same day recoat. *Solacoat White & Pastel Gloss Acrylic Topcoats* can be used on normal interior and exterior surfaces.

### PRODUCT SPECIFICATIONS

<b>Options</b>	Available in 4 litre, 15 litre & 20 litre drums, or 200 litres for commercial applications.
<b>Colours</b>	<ul style="list-style-type: none"> <li><i>Solacoat Cool-it Ceram Topcoats</i> - Aged Pottery, Blue Mountain, Brown, Grey, Mocha, Natural Green, Natural Red, Rivergum, Smooth Cream, Sunset Red, Terracotta, White, Charcoal.</li> <li><i>Solacoat White &amp; Pastel Gloss Acrylic Topcoats</i> – Topcoat White &amp; Pastel Colours</li> </ul>
<b>Warranty</b>	10 year warranty covering solar reflectivity, colour uniformity, cracking, peeling or flaking.
<b>Expected Life</b>	<ul style="list-style-type: none"> <li>Coating life – expected 15 years</li> <li>Fade resistant for up to 20 years.</li> </ul>



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008

<b>Indicative Costs</b>	AU\$281.80 + GST per 15 litre drum  RRP = AU\$2.07 m <sup>2</sup> per coat for corrugated roof 2 coats required, if applied to flat surface, cost per m <sup>2</sup> is approximately AU\$1.03 (GST inclusive)
<b>Purchase Options</b>	-
<b>Constituents</b>	Water based acrylic top coats (constituents proprietary – sighted by <b>ecospecifier</b> for assessment)
<b>National &amp; International Standards</b>	<ul style="list-style-type: none"> <li>• Australian Paint Approval Scheme (APAS) accredited</li> <li>• Manufactured in NATA approved laboratory</li> </ul>
<b>Technical Specifications</b>	<ul style="list-style-type: none"> <li>• Covers approximately 10-12 square meters per litre per coat depending on the surface porosity.</li> <li>• Approximate drying times at 25°C and 50% relative humidity</li> <li>• Touch Dry: 30-45 minutes</li> <li>• Recoat: minimum 4 hours <i>Solacoat Cool-it Ceram Topcoats</i>. Solacoat White &amp; Pastel Colours recoat 2 hours</li> <li>• Full gloss approximately 60-75% depending on colour</li> </ul>
<b>Country of Origin</b>	Australia
<b>Availability</b>	<p><i>Oceania</i></p> <ul style="list-style-type: none"> <li>• Australia, Indonesia</li> </ul> <p><i>Asia</i></p> <ul style="list-style-type: none"> <li>• Malaysia, Philippines, Thailand, China, Japan, India, Pakistan, Singapore</li> </ul> <p><i>Middle East</i></p> <ul style="list-style-type: none"> <li>• UAE, Afghanistan, Iran and Saudi Arabia, Egypt</li> </ul> <p><i>Africa</i></p> <ul style="list-style-type: none"> <li>• South Africa</li> </ul> <p><i>Europe</i></p> <ul style="list-style-type: none"> <li>• Spain, Portugal, Western Europe and United Kingdom</li> </ul>



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008

<b>Projects</b>	<ul style="list-style-type: none"> <li>• Coca Cola warehouses in Alice Springs and Tennant Creek</li> <li>• NSW Railways: tracks, sheds and tools throughout NSW</li> <li>• Queensland Rail-Workshops</li> <li>• Supercheap Auto DC Centre in Queensland</li> <li>• Pioneer Hi-Bred: Silos for grain/cereal storage in Toowoomba and Narromine</li> <li>• IGA Foodland: Retail premises in Adelaide</li> <li>• Metcash Grocery Warehouse-DC: Alice Springs</li> <li>• Snooze retailers in Canberra</li> <li>• Country Water offices and sheds in Broken Hill</li> <li>• Lord Byron resort in Byron Bay</li> <li>• Gold Coast City Council External electronic boxes on the Gold Coast</li> <li>• Sinopec Oil China: Gas Storage and Fuel Tanks</li> <li>• Shell-Philippines: Floating Fuel Tanks</li> <li>• Many domestic and smaller commercial roofs including Terracotta, Steel, Concrete, Fibrous cement</li> </ul>
<b>Preparation</b>	Brushing, rolling, spraying grade of gloss architectural water based acrylic coloured coating range for the painting of roofs.

## ECOSPECIFIER LIFE-CYCLE ASSESSMENT

### INTEGRATED DESIGN AND POLICY ISSUES

Reducing heating and cooling loads of buildings contributes to reductions in energy consumption and associated greenhouse gas emissions, through reduced need for air conditioning, and hence reduced plant size and operating costs. Improved thermal performance will also support staff comfort and increase productivity.

When applied to concrete roof or other high mass building surfaces, will reduce urban heat island effects due to high reflectivity. Urban heat island mitigation will increase local evening comfort, reduce cooling system loads and rescue local environmental heat stress on ecosystems.

## HUMAN HEALTH

### Health

See *Ecospecifier Issues of Concern* section below.



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008

## Comfort

Coatings will improve internal comfort levels, lengthens the life of stored products and reduces or totally negates the need for power to cool and subsequently reduces greenhouse gas emissions.

## Indoor Environment Quality

Not applicable

## Electromagnetic Radiation

The need for less cooling devices such as air conditioning can reduce the amount of radiation bouncing off buildings.

## Safety

Not applicable.

## Accessibility

Not applicable.

## ECOLOGICAL QUALITY

### Terrestrial

*Emissions* – Coating contains ammonia in liquid form. In gaseous form, ammonia deposits can potentially react with acidic compounds in the atmosphere and contributing to acid rain affecting nitrogen content in nutrient poor soils.

Application tools should be cleaned in a contained treatment system to avoid contamination of topsoil. This product must be disposed of in accordance to local regulations.

*Physical* – In the liquid form, product should not be released into waterways, waste water or soil as it is not readily biodegradable and has the potential to have long retention times in water.

### Aquatic

*Emissions* – Coatings contains a small volume of substances that are very toxic to marine environments and may cause long term adverse effects in the aquatic environment in liquid form. See *Ecospecifier Issues of Concern*.

*Physical* – In the liquid form, product should not be released into waterways, waste water or soil as it is not readily biodegradable and has the potential to have long retention times in water. Based on data for similar components or preparations, this product is expected to be toxic to aquatic organisms. Long term adverse effects to aquatic organisms are possible if continuous exposure is maintained.

### Atmosphere

The coatings have low volatile organic compound (VOC) content, minimising VOC emissions. Content for each coating is:

- *Solacoat Cool-it Ceram Topcoats* – 53g / Litre
- *Solacoat White & Pastel Gloss Acrylic Topcoats* – 38g / Litre

*Greenhouse (GHG)* – Coating has comparable embodied energy and GHG intensity to other water based concrete coatings, which are low in comparison to solvent based coatings.



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008

*Greenhouse intensity –*

- *Solacoat Cool-it Ceram Topcoats* Metal Roofs (Unpainted & Previously Painted) and Tiled Roofs (Concrete or Terracotta) approximately 0.4gCO<sub>2e</sub> / m<sup>2</sup>\*

\*based on 2 coats of painting with average coverage of ~0.1kg / m<sup>2</sup> per coat

- *Solacoat White & Pastel Gloss Acrylic Topcoats* Brick, Masonry, Plaster Etc. (unpainted & previously painted), Timber (unpainted & previously painted) and Galvanised Steel, Zinalume & Aluminium (unpainted) – approximately 0.2gCO<sub>2e</sub> / m<sup>2</sup>\*

\*based on 2 coats of painting with average coverage of ~0.082kg / m<sup>2</sup> per coat

*Transport intensity* – Product is manufactured in Brisbane, Australia. Energy and GHG figures for shipping product are shown below.

Product weight	Energy Intensity - Container Shipping	GHG Intensity - Container Shipping
<ul style="list-style-type: none"> <li>• <i>Solacoat Cool-it Ceram Topcoats</i> Metal Roofs (Unpainted &amp; Previously Painted) and Tiled Roofs (Concrete or Terracotta) - ~0.1kg / m<sup>2</sup>.coating</li> <li>• <i>Solacoat White &amp; Pastel Gloss Acrylic Topcoats</i> Brick, Masonry, Plaster Etc. (unpainted &amp; previously painted), Timber (unpainted &amp; previously painted) and Galvanised Steel, Zinalume &amp; Aluminium (unpainted) - ~0.082kg / m<sup>2</sup>.coating</li> </ul>	0.000135MJ / kg.km	0.000011kgCO <sub>2e</sub> / kg.km

Table below provides land transportation greenhouse intensity figures to help calculate the greenhouse gas intensity of land transportation from shipping port.

Light commercial vehicle	Rigid Truck	Articulated Truck
0.001451kgCO <sub>2e</sub> / kg.km	0.000195kgCO <sub>2e</sub> / kg.km	0.000169kgCO <sub>2e</sub> / kg.km

Transport intensity figures sourced from Australian National Greenhouse Gas Inventory 1990, 1995 and 1999 and WWF International, Inland Navigations and Emissions, 2005.

*Operational efficiency* – Product is greenhouse efficient in its operation in that it lowers internal temperatures, which reduces the need for mechanical cooling.

*Re-use Efficiency* – Not applicable.

*Toxics and Pollutants* – Coating emits limited volatile organic compounds (VOCs) into the air. VOCs can combine with other air pollutants to form photochemical smog.

*Ozone Depletion* – Coating does not contain any ozone depleting (ODP) substances. Coating may minimise the use of ODPs through reducing loads placed on mechanical air conditioning systems, which often use ODP refrigerants.



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008

*Urban Heat Island Effects* – Product reduces heat in building walls and roofs to pavements and light traffic areas.

*Noise* – Not applicable.

### **Biodiversity**

The extraction of petroleum for synthetic polymer based constituents in the coating will disrupt local landscapes and alter local ecosystems. In the event of an oil-spill, while rare, significant localised biodiversity impacts can result.

The process of extracting mineral based additives in coating, particularly titanium dioxide (pigment), silica and sand, are sourced as a result of sand mining, a high biodiversity impact process. Mining modifies soil profiles, topography and drainage patterns which impacts natural vegetation and biodiversity.

Reduced heat island effects will provide minor positive contribution to ecosystem health.

## **RESOURCE DEPLETION**

### **Resource Efficiency**

Synthetic polymer based constituents are derived from diminishing and non-renewable reserves of petroleum.

### **Embodied Fossil Fuel Energy**

- *Solacoat Cool-it Ceram Topcoats* Metal Roofs (Unpainted & Previously Painted) and Tiled Roofs (Concrete or Terracotta) – approximately 14.4MJ / m<sup>2</sup>\*^

\*based on 2 coats of painting with average coverage of ~0.1kg / m<sup>2</sup> per coat.

^*Coolshield International* recommends that two coats of *Solacoat Cool-it Ceram Topcoats* are applied after one coat of *Solacoat WB Metal Primer* for Metal Roofs (Unpainted & Previously Painted) and one coat of *Solacoat CP Primer* for Tiled Roofs (Concrete or Terracotta). Refer to relevant listings for individual embodied energy calculations.

- *Solacoat White & Pastel Gloss Acrylic Topcoats* Brick, Masonry, Plaster Etc. (unpainted & previously painted), Timber (unpainted & previously painted) and Galvanised Steel, Zinalume & Aluminium (unpainted) – approximately 7.4MJ / m<sup>2</sup>\*^

\*based on 2 coats of painting with average coverage of ~0.082kg / m<sup>2</sup> per coat

^*Coolshield International* recommends that two coats of *Solacoat White & Pastel Gloss Acrylic Topcoats* are applied after one coat of *Solacoat CP Primer* for Brick, Masonry, Plaster Etc. (unpainted & previously painted), Timber (unpainted & previously painted) and one coat of *Solacoat WB Metal Primer* for Galvanised Steel, Zinalume & Aluminium (unpainted).

### **Embodied Water**

Information not available

### **Durability**

Coating provides a durable and protective coating for a surface substrate and has a 10 year performance warranty.



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008

**Reusability**

Not applicable.

**Repairability**

Refer to *Preparation*.

**Design for Dematerialisation**

Coating can assist in minimising urban heat island levels and heat transfer into buildings reducing energy loads placed on HVAC systems. This may also lead to reduced plant size, reduced operational times, and in some cases, reduction or elimination of mechanical air conditioning systems.

**Design for Disassembly**

Not applicable

**Recyclability**

No.

**Maintenance**

Better performance and durability can be ensured provided the surface is cleaned regularly.

**Product Takeback Scheme**

Not applicable

**Extended Producer Responsibility (EPR)**

No

**CORPORATE AND SOCIAL SUSTAINABILITY****Audits and Environmental Reporting**

No

**Convictions**

No

**Environmental Policy**

No

**Social Enhancement Programs**

No

**Technology Transfer Programs**

No



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008

## Environmental Management Systems (EMS)

Yes

## ECOSPECIFIER ISSUES OF CONCERN / RED LIGHTS

### Issues of Concern

- *Solacoat Cool-it Ceram Topcoats*

Coatings contain a small percentage of titanium dioxide (between 0.54-0.22%). In 2006, the IARC reclassified titanium dioxide as possibly carcinogenic to humans (Group 2B). This issue of concern relates to the inhalation of powdered and ultra-fine titanium dioxide dust. Accordingly the sanding, grinding and other occupational production activities of products containing titanium dioxide may present issues if appropriate precautions are not taken. Precautions for workers such as reducing exposure to product in dust form and using appropriate Personal Protective Equipment (PPE) mitigate potential issues to *low* risk in accordance with an **ecospecifier** Risk Assessment. Refer to Material Safety Data Sheet for further information.

### Red Light Comments

- *Solacoat Cool-it Ceram Topcoats*

Some coating colours (grey, rivergum, smooth cream and white) contain a larger percentage of titanium dioxide (between 1.2-6.64%). In 2006, the IARC reclassified titanium dioxide as possibly carcinogenic to humans (Group 2B). This issue of concern relates to the inhalation of powdered and ultra-fine titanium dioxide dust. Accordingly the sanding, grinding and other occupational production activities of products containing titanium dioxide may present issues if appropriate precautions are not taken. Precautions for workers such as reducing exposure to product in dust form and using appropriate Personal Protective Equipment (PPE) mitigate potential issues to *low* risk in accordance with an **ecospecifier** Risk Assessment. Refer to Material Safety Data Sheet for further information.

## ECOSPECIFIER GREENRATE GREEN BUILDING SCHEME PRE-ASSESSMENT

**LEED® for Commercial Interiors - Version 2.0** (see LEED® disclaimer below)

### INDOOR ENVIRONMENTAL QUALITY

#### EQ Credit 4.2: Low-Emitting Materials. Paints and Coatings <sup>1</sup>

*Points Available*

Product is likely to assist in a project obtaining this credit as it meets the prescribed standard/s for interior paint/s and/or coating/s applied on-site.

**1**

**LEED® for New Construction & Major Renovations - Version 2.2** (see LEED® disclaimer below)



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008

## SUSTAINABLE SITES

<p><u>SS Credit 7.1: Heat Island Effect: Non-Roof</u></p> <p>Product is likely to assist in a project obtaining this credit as it reduces heat island effects. Credit point is achieved when the requirements for one of the two following options are met;</p> <ul style="list-style-type: none"> <li>• <i>Option 1</i> includes providing a combination of shade (within 5 years of occupancy), paving materials with a Solar Reflectance Index (SRI) of at least 29 and an open grid pavement system for 50% of the site hardscape (including roads, sidewalks, courtyards and parking lots).</li> <li>• <i>Option 2</i> includes placing a minimum of 50% of parking spaces under cover (any roof used to shade or cover parking must have a SRI of at least 29).</li> </ul> <p><u>Exemplary Performance: Innovation in Design &amp; Process: Heat Island Effect: Non-Roof (additional 1 point)</u></p> <p>Possible achievement when either of the following options are met;</p> <ul style="list-style-type: none"> <li>• <i>Option 1</i> includes demonstrating that 100% of non-roof impervious surfaces have been constructed with high-albedo materials and/or open grid paving and/or will shade within 5 years</li> <li>• <i>Option 2</i> includes demonstrating of the on-site parking spaces have been located under cover.</li> </ul>	<p><i>Points Available</i></p> <p><b>1</b></p> <p><b>1</b></p>
<p><u>SS Credit 7.2: Heat Island Effect: Roof</u></p> <p>Product is likely to assist in a project obtaining this credit as it reduces heat island effects. Credit point is achieved when the prescribed requirements for one of the three following options are met; Option 1 includes using roofing materials with a high Solar Reflective Index (SRI), Option 2 includes installing a vegetated roof, and Option 3 includes installing high albedo and vegetated roof surfaces.</p> <p><u>Exemplary Performance: Innovation in Design &amp; Process: Heat Island Effect: Roof (additional 1 point)</u></p> <p>Possible achievement when 100% of the projects roof area (excluding mechanical equipment, photovoltaic panels, and skylights) is comprised of a green roof.</p>	<p><i>Points Available</i></p> <p><b>1</b></p> <p><b>1</b></p>

## ENERGY & ATMOSPHERE

<p><u>EA Prerequisite 2: Minimum Energy Performance</u> <sup>1</sup></p> <p>Product may assist a project meet the Rating System Energy Prerequisite, when appropriately included in combination with other elements and assessed using a computer simulation model, to comply with the nominated standard or the local energy code (whichever is more stringent).</p>	<p><i>Points Available</i></p> <p><b>Required</b></p>
---	---



<p><u>EA Credit 1: Optimise Energy Performance</u> <sup>1</sup></p> <p>Product may assist in a project obtaining credits, when appropriately designed in combination with other elements and assessed using a computer simulation model, for increasing the level of energy performance above the nominated baseline prerequisite standard.</p> <p><u>Exemplary Performance: Innovation in Design &amp; Process: Optimise Energy Performance</u> <i>(additional 1 point)</i></p> <p>Possible achievement when minimum energy cost savings of 45.5% for New Buildings and 38.5% for Existing Buildings are obtained when using EA Credit 1 Option 1. An Innovation in Design &amp; Process credit point is not available for Option 2, 3 or 4.</p>	<p><i>Points Available</i></p> <p><b>10*</b></p> <p>* 2 points mandatory performance level</p> <p><b>1</b></p>
---	---

**INDOOR ENVIRONMENTAL QUALITY**

<p><u>EQ Credit 4.2: Low-Emitting Materials: Paints and Coatings</u> <sup>2</sup></p> <p>Product is likely to assist in a project obtaining this credit as it meets the prescribed standard/s for interior paint/s and/or coating/s applied on-site.</p>	<p><i>Points Available</i></p> <p><b>1</b></p>
--	--

LEED® is a registered mark of the U.S Green Building Council (USGBC). The listing constitutes an **ecospecifier** Technical Opinion and is not endorsed by the USGBC or its agents. For detailed technical information about Credit requirements refer to the relevant LEED® Reference Guide. Rating Systems and Reference Guides are subject to change by the USGBC and any decision regarding the award of credits towards a LEED® rating is at the sole discretion of the USGBC.

**Green Star™ Office Interiors Version 1.1 Compatibility** (see Green Star™ disclaimer below)

**INDOOR ENVIRONMENT QUALITY**

<p><u>IEQ-11: Volatile Organic Compounds: Paints</u><sup>2</sup></p> <p>Product is likely to assist in a project obtaining a credit point as it meets the prescribed Volatile Organic Compound (VOC) content standard for paints. To achieve the credit point 95% of all painted surfaces in the project must be in accordance with the prescribed standard.</p>	<p><i>Points Available</i></p> <p><b>2</b></p>
--	--



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008

**Green Star™ Office Design Version 2 Compatibility** (see Green Star™ disclaimer below)

INDOOR ENVIRONMENT QUALITY

<u>IEQ-13: Volatile Organic Compounds: Paints<sup>2</sup></u>	<i>Points Available</i>
Product is likely to assist in a project obtaining a credit point as it meets the prescribed Volatile Organic Compound (VOC) content standard for paints. To achieve the credit point 95% of all painted surfaces in the project must be in accordance with the prescribed standard.	<b>1</b>

ENERGY

<u>Ene-1: Energy<sup>1</sup></u>	<i>Points Available</i>
Product is likely to assist in a project obtaining the conditional requirement for the design of a base building that achieves a predicted rating of 4 stars or greater using the Australian Building Greenhouse Rating (ABGR) scheme's <i>Validation Protocol for Tenancy Energy Estimation Version 2005-02</i> .	<b>Conditional</b>
<u>Ene-2: Energy Improvement<sup>1</sup></u>	<i>Points Available</i>
Product is likely to assist in obtaining credits for improvement in the overall energy efficiency of a project. Credit points achieved are determined by the star rating achieved above the conditional 4 star Australian Building Greenhouse Rating (ABGR). Product contribution to credit points is determined by project energy load simulation and needs to be included in the model to provide beneficial credits.	<b>15</b>

**Green Star™ Office Design Version 3 Compatibility** (see Green Star™ disclaimer below)

INDOOR ENVIRONMENT QUALITY

<u>IEQ-13: Volatile Organic Compounds: Paints<sup>2</sup></u>	<i>Points Available</i>
Product is likely to assist in a project obtaining a credit point as it meets the prescribed Volatile Organic Compound (VOC) content standard for paints. To achieve the credit point 95% of all painted surfaces in the project must be in accordance with the prescribed standard	<b>1</b>

ENERGY

<u>Ene: Conditional Requirement<sup>1</sup></u>	<i>Points Available</i>
Product is likely to assist in a project obtaining the conditional requirement for the design of a base building in which the project's greenhouse gas emissions do not exceed 110 kgCO <sub>2</sub> / m <sup>2</sup> / annum as determined using the Australian Building Greenhouse Rating (ABGR) <i>Validation Protocol for Computer Simulations</i> or by using the final and current version of the Green Star™ Energy Calculator.	<b>Conditional</b>



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008

Ene-1: Greenhouse Gas Emissions <sup>1</sup>

*Points Available*

Product is likely to assist in obtaining credits for minimising the greenhouse gas emissions of a project. Credit points achieved are determined by determining the reduction in predicted greenhouse gas emissions below the Conditional Requirement of 110 kgCO<sub>2</sub>/m<sup>2</sup>/annum. Full points are available for carbon-neutral base buildings.

**20**

Green Star™ is a registered mark of the Green Building Council of Australia (GBCA). The listing constitutes an **ecospecifier** Technical Opinion and is not endorsed by the GBCA or its agents. For detailed technical information about Credit requirements refer to the Green Star™ Technical Manuals. Rating Tools and Technical Manuals are subject to change by the GBCA, and any decision regarding the award of credits towards a Green Star rating is at the sole discretion of the GBCA.

<sup>1</sup> *Thermal benefits of coatings are not applicable when used in interior applications not exposed to solar radiation*

<sup>2</sup> *This product is not likely to be used internally, but might be a contiguous finish with external painting (particularly in foyer areas).*

**ASSESSMENT COMPARISON**

Non reflective and solvent based horizontal surface coatings

**RELATED TOPICS**

Paints, coatings, thermal comfort

**CSI CATEGORY & NUMBER**

09900	Paints and Coatings
09910	Paints
09920	Exterior Paints
09960	High-Performance Coating

**NBS CATEGORY & NUMBER**

**Building and Residential Services**

M60	Painting / Clear finishing
-----	----------------------------

**Landscaping**

M60	Painting / Clear finishing
-----	----------------------------



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008

## ASSESSMENT CRITERIA SATISFIED

<b>ENERGY/GREENHOUSE</b>
<ul style="list-style-type: none"><li>• Potential less GHG / ODP down stream</li></ul>
<b>HABITAT &amp; LAND</b>
<ul style="list-style-type: none"><li>• Reduced terrestrial impact</li></ul>
<b>RESOURCE DEPLETION &amp; EFFICIENCY</b>
<ul style="list-style-type: none"><li>• Reduced Material Use</li></ul>
<b>HUMAN HEALTH</b>
<ul style="list-style-type: none"><li>• Low / Reduced Offgassing</li></ul>
<b>POLLUTION TO ENVIRONMENT</b>
<ul style="list-style-type: none"><li>• Reduced chemical toxicity through Life Cycle</li><li>• Low / no carcinogens through Life Cycle</li><li>• Reduced smog-forming potential</li></ul>
<b>OTHER VITAL SIGNS</b>
<ul style="list-style-type: none"><li>• MSDS</li><li>• Independent Verification</li><li>• Documented Manufacturer Claim</li><li>• Environmental info about product</li><li>• National / International Standard</li><li>• ISO 14001 Certification</li></ul>



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008

## MANUFACTURER DETAILS

Tiger Profiles & Insulation LLC

Sharjah Industrial Area 2

PO Box 23499

Sharjah, UAE

Telephone: +971 6 5338449

Fax: +971 6 5336673

Email: [rosy.salameh@tigerprofiles.com](mailto:rosy.salameh@tigerprofiles.com)

Web: [www.solacoat.net](http://www.solacoat.net)

This is a Certified Copy of an ecospecifier.com listing. Certified by **ecospecifier** Pty Ltd *per*



**David Baggs** | Technical Director & Principal Consultant  
Chartered Architect, FAIA, ABSA, Green Star AP, LEED AP, MRoySocAS



This assessment is current only to the valid date and shall not be reproduced in part at any time. Please refer to the ecospecifier website for current detailed product listing information. © Ecospecifier 2008