



Commercial

Green Star Buildings Rating Tool Solutions



Explore our
sustainability resources
dulux.com.au/sustainability

Information in this guide is correct as at
February 2026 and may be subject to change.



Worth doing. worth Dulux.



PROTECTIVE
COATINGS



Acratex



Venetian



Licensed brand*



Dulux's commitment to sustainability for our customers

Vision

Our sustainability approach aligns strongly with our business core purpose to help our customers and consumers 'Imagine a better place'.

Within the organisation we articulate this through our vision of 'A future without harm' and a supporting policy statement that outlines our commitment to continually work on understanding our significant business impacts and deliver ongoing improvement.

This includes a foundation of transparent, meaningful relationships with all our stakeholders to meet or exceed their expectations and to work together in addressing common sustainability challenges.

Sustainability materiality assessment



Materiality

Our current sustainability materiality assessment is based on insights from engagement with key internal and external stakeholders. This assessment is shown in the below matrix with the most material sustainability impacts highlighted in navy blue.

Our strategic approach to sustainability focuses on broadening our activities beyond our direct operations to also drive continuous improvement in sustainability impacts across our business value chain (e.g. sourcing, chemicals of concern, product stewardship, stakeholder engagement).

Significant work has since been undertaken to develop long-term targets for the most material sustainability impacts, together with detailed action plans to ensure successful achievement. Implementation of these action plans and their execution will continue to be a key focus over the next few years.

Impact of buildings on the environment

Key statistics



Buildings are the single largest contributor to the world's greenhouse gas emissions:



Using
40%
of global energy



Generating up to
40%
of carbon emissions



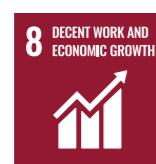
In Australia, commercial and residential buildings alone contribute:



23%
of Australia's total greenhouse gas emissions

Aligning our efforts with global sustainability goals

By focusing on the most material sustainability impacts across our business value chain we aim to ensure that, in partnership with all our stakeholders, we fulfil our role in contributing to the UN Sustainable Development Goals (SDGs) and addressing global sustainability challenges. Based on the above sustainability assessment, we have identified the goals where we can have most impact as including:



Green Building Council of Australia



Green Building Council Australia
Member 2025-2026

Green Building Council of Australia (GBCA) is Australia's leading national authority on sustainable buildings and communities.

Dulux has been a member of the GBCA for over 20 years.

What is Green Star?

The Green Star rating system is the only recognised voluntary standard in Australia for evaluating the quality of buildings, communities, and homes in terms of their design, construction, and operations. By using different Green Star ratings tools, assets can be certified based on their performance level. Green Star certification provides a clear description of the asset's attributes in language that is widely accepted within the industry.

Current available Green Star Rating Tools



Green Star Communities

Certify a plan and delivery for a precinct scale development



Green Star Buildings

Certify the design and construction of a building



Green Star Interiors

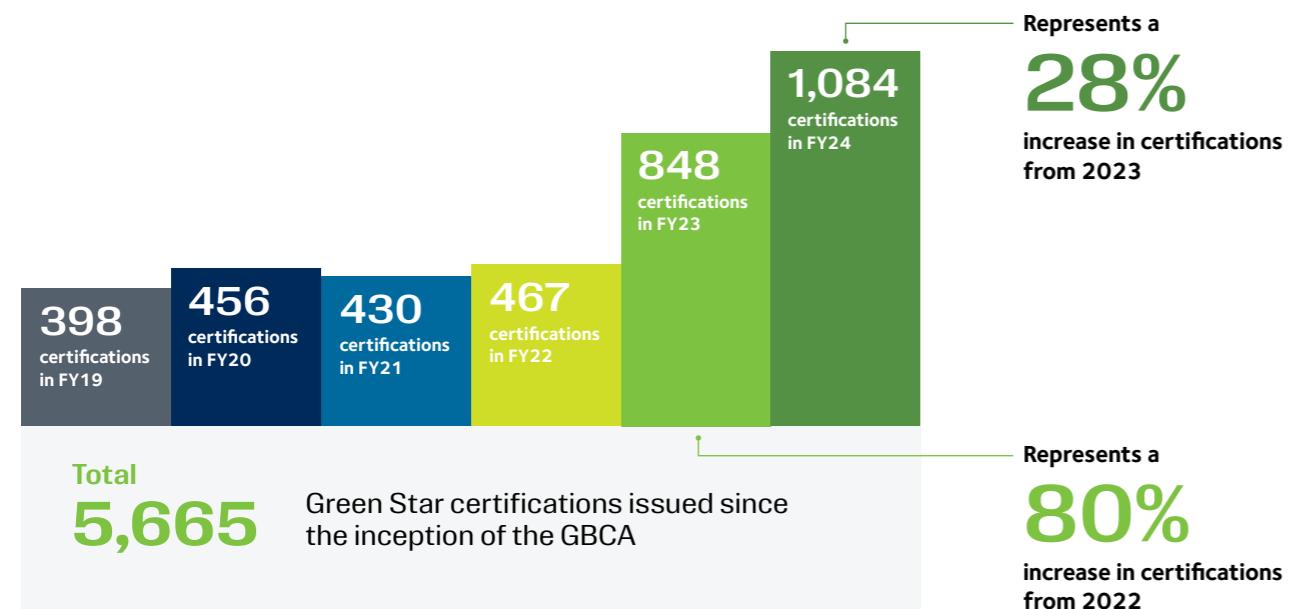
Certify the new interior fitout in a building



Green Star Performance

Certify the operational performance of an existing building

Adoption of Green Star and sustainability by the construction industry



Rating Tools on the horizon - Green Star Future Focus

In 2018, GBCA introduced Future Focus, an initiative aimed at updating the suite of Green Star Rating Tools to align with the future trends and challenges of the Australian construction sector.

Through extensive engagement with numerous experts and organisations, the program led to noteworthy revisions in the Green Star rating system. These revisions encompass a broader framework, heightened emphasis on social aspects, more stringent criteria for the highest rating, and an enhanced focus on carbon emission reduction.



Dulux Solutions for the Green Star Buildings Rating Tool



Green Star Buildings Rating Tool – Certification process

Timeline overview



Achieving points for your desired target rating



Comparing 4, 5 and 6 Green Star ratings



Green Star Buildings – Categories and Credits

Green Star Buildings features **eight categories** representing the issues that will define the next decade of the built environment.

These categories enable owners and developers to act on the areas of sustainability that matter most, future proofing a building for the long term.

Each category contains multiple credits. A credit addresses an outcome that improves or has the potential to improve a project's sustainability performance.

Once all credits are assessed, the total number of points achieved is tallied, and the project is certified as either a 4, 5, or 6 Star rating.

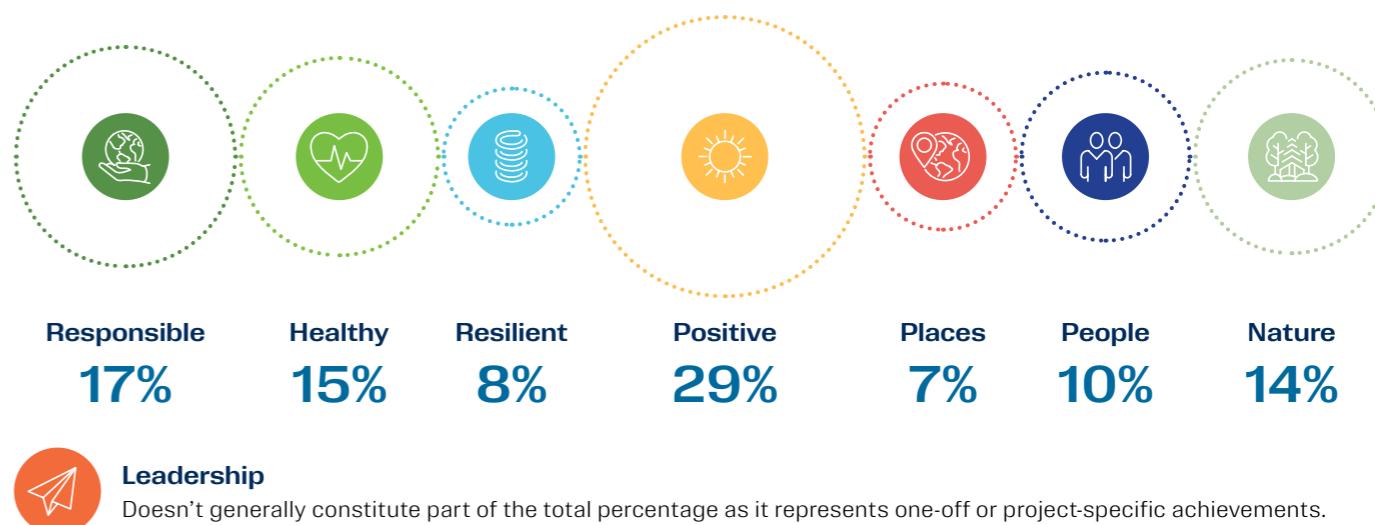
Categories	Credits	 Note: The credits in bold and marked with a blue tick are those that Dulux and other brands can offer either product or other solution support toward achieving points.
 Responsible Recognises activities that ensure the building is designed, procured, built, and handed over in a responsible manner.	<ul style="list-style-type: none"> Industry Development Responsible Construction Verification and Handover Responsible Resource Management 	<ul style="list-style-type: none"> Responsible Procurement Responsible Structure Responsible Envelope Responsible Systems
 Healthy Promotes actions and solutions that improve the physical and mental health of occupants.	<ul style="list-style-type: none"> Clean Air Light Quality Acoustic Comfort 	 Exposure to Toxins <ul style="list-style-type: none"> Amenity and Comfort Connection to Nature
 Resilient Encourages solutions that address the capacity of the building to bounce back from short-term shocks and long-term stresses.	<ul style="list-style-type: none"> Climate Change Resilience Operations Resilience Community Resilience 	 Heat Resilience <ul style="list-style-type: none"> Grid Resilience
 Positive Encourages a positive contribution to key environmental issues of carbon, water, and the impact of materials.	<ul style="list-style-type: none"> Upfront Carbon Emissions* Energy Use* Energy Source* 	<ul style="list-style-type: none"> Other Carbon Emissions* Water Use Life Cycle Impacts
 Places Supports the creation of safe, enjoyable, integrated, and comfortable places.	<ul style="list-style-type: none"> Movement and Place Enjoyable Places 	<ul style="list-style-type: none"> Contribution to Place Culture, Heritage, and Identity
 People Encourages solutions that address the social health of the community.	<ul style="list-style-type: none"> Inclusive Construction Practices Indigenous Inclusion 	<ul style="list-style-type: none"> Procurement and Workforce Inclusion Design for Inclusion
 Nature Encourages active connections between people and nature and rewards creating biodiverse green spaces in cities.	<ul style="list-style-type: none"> Impacts to Nature Biodiversity Enhancement Nature Connectivity 	<ul style="list-style-type: none"> Nature Stewardship Waterway protection
 Leadership Recognises projects that set a strategic direction, build a vision for industry, or enhance the industry's capacity to innovate.	<ul style="list-style-type: none"> Market Transformation Leadership Challenges 	

Category weightings

A point in Green Star Buildings is equivalent throughout the rating tool. That is, a point in the **Positive** category is equivalent to a point in the **Nature** category.

Higher reward (more points) are placed on credits within categories that deliver:

- Guaranteed outcomes (e.g. more points awarded to delivery of physical attributes over processes).
- Larger impacts in terms of scale.
- Drive market transformation across industry.
- Long-lasting impacts (e.g. long-lasting building system over reliance on future operational maintenance).
- Value generation beyond the building owner.



Achieving credits

Credit: a specific initiative with a clearly defined **outcome** within each category that improves or has the potential to improve a project's sustainability performance. Credits are weighted relative to one another by the varying number of points available.

Example:  **Exposure to Toxins**

Outcome	Criteria		
	Minimum Expectations	Credit Achievement	Exceptional Performance
The building's occupants are not directly exposed to toxins in the spaces they spend time in.	<ul style="list-style-type: none"> The building's paint adhesives, sealants, and carpets are low in Total Volatile Organic Compounds (TVOC) or non-toxic. The building's engineered wood products are low in TVOC or non-toxic. Occupants are not exposed to banned or highly toxic materials in the building. 	<ul style="list-style-type: none"> In addition to the Minimum Expectations: On-site tests verify the building was low VOC and formaldehyde levels. 	N/A
Available Points: 2	Nil	2 Points	

Dulux Solutions for Green Star Buildings

Select products within the brand portfolio can help contribute to points across several categories in this rating tool.

Category Credit

Brand

Certifications



Responsible Finishes



Responsible Construction



Brand

Category Credit



Heat Resilience



Dulux can help contribute to achieving points for credits

Category	Credits	Does this credit have a Minimum Expectation?	Credit Achievement	Exceptional Performance	Where can I find information?	Brand and Product Solutions
	Responsible Construction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	See pages 16 – 17	Products Dulux EnviroSolutions Recovery Program Dulux EnviroSolutions Paint Wash Range Other Solutions Cumulative Waste Report for Recycled Paint Drums Sustainability Training
	Responsible Finishes	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See pages 18 – 19	Products Dulux enviroO ₂ range – white base only Intergrain UltraDeck (Timber Oil, Slip Resistant)
	Exposure to Toxins	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	See pages 20 – 23	General Purpose Sealants and Adhesives Selleys* Admil* Fosroc (licensed brand)* <small>* See page 21 for all listed products</small> Interior Wall and Ceiling Paint, All Sheen Levels Dulux enviroO ₂ range Dulux Venetian Plaster Marmorino (Fine, Naturale) Dulux Venetian Plaster Modello Dulux Aquanamel (Semi Gloss, Gloss) Porter's Paints Eggshell Acrylic Porter's Paint's Low Sheen Acrylic Porter's Paints Stone Paint (Fine, Coarse) Porter's Paints Ultra Flat Porter's Paint Mineral Paint Porter's Paints Mineral Silicate Stain
						Trim Varnishes and Wood stains Cabot's Cabothane Clear Water Based Dulux Venetian Plaster Matt Glaze Intergrain NaturalStain Intergrain UltraClear Exterior Matt Intergrain UltraClear Interior Matt
						Primers, Sealers and Prep Coats Dulux Venetian Plaster Quartz Primer Dulux enviroO ₂ Acrylic Sealer Undercoat Dulux UltraAir Primer Intergrain UltraPrep Sealer & Primer Fosroc (licensed brand) Nitoprime 120 Porter's Paint Mineral Silicate Primer Selleys Liquid Nails VP30 Primer
						One and Two Pack Performance Coatings for Floors Dulux Protective Coatings EnviroEpoxy WBE Dulux Protective Coatings Luxafloor (CFS, ECO2, HSG, WB) Fosroc (licensed brand) Nitoflor FC150 HP/SL
						Acoustic Sealants, Architectural Sealant, Waterproofing Membranes and Sealant, Fire Retardant Sealants and Adhesives Selleys Brick & Concrete Silicone Selleys VBS Rapid Selleys Flexiseal Selleys Fireblock (AC, PA, XT) Admil Prosil (41LM, 42FR)
	Heat Resilience	N/A	<input checked="" type="checkbox"/>	N/A	See pages 24 – 27	Products Dulux Acratex Roof Membrane (Satin, Gloss)
						Products Dulux Weathershield ColourGuard

Responsible Products Program:

With buildings and fitouts contributing to around 50% of resources used worldwide and about 10% of global greenhouse emissions, the GBCA seeks to reward the use of products that have lower environmental impact, are transparent, respect human rights, and reduce carbon content.

The Responsible Products Program recognises initiatives that certify products available for use in the built environment. GBCA relies on third party initiatives or product certification initiatives to assess the impact that a product has against five categories.



Initiatives are required to demonstrate compliance with the minimum expectations and a selection of the technical criteria. Once these have been met, an initiative will be recognised, and an Responsible Product Value will be awarded.

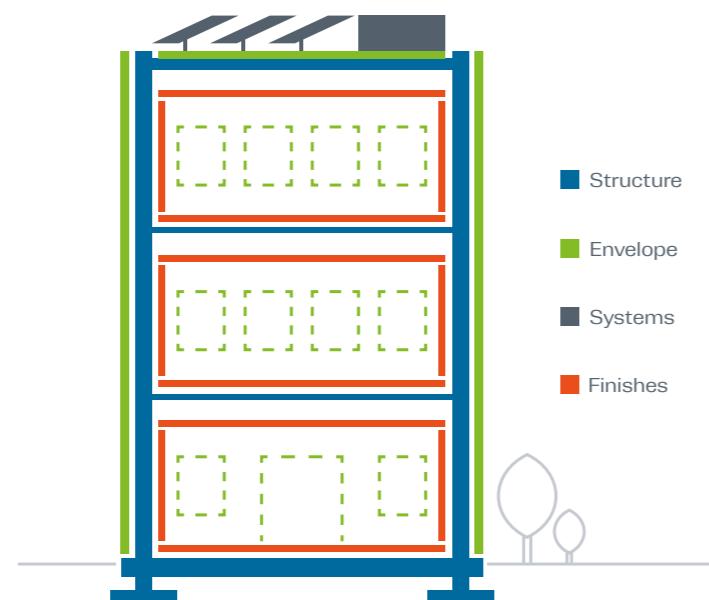
The Green Building Council of Australia assigns RPVs to initiatives and these are passed onto the products they recognise.

What is a Responsible Product Value (RPV)?

A value calculated for a product based on the type and the number of third-party certifications that the product holds.

What is the Responsible Products Calculator for Green Star Buildings measuring?

- Responsible Structure**
Load bearing / stability components (e.g. steel, timber, concrete, stone and brick).
- Responsible Envelope**
External shell-facade and its components (e.g. roofing, cladding, insulation and drywall).
- Responsible Systems**
Active systems (e.g. mechanical, hydraulic, transportation, electrical and ventilation).
- Responsible Finishes**
Internal finishes (e.g. flooring, plasterboard, paint, ceilings, partitions, doors and internal windows).



Brand & Product	Certification
Dulux enviro₂ • Interior Acrylic Sealer Undercoat • Interior Ceiling Flat • Interior Matt White • Interior Water Based Enamel Semi Gloss • Interior Low Sheen (White Base)	    
Porter's Paints Eggshell Finish • Black Base • Deep Base • Clear Base • Mid Base • Standard Base	   
Intergrain • UltraDeck Timber Oil • UltraDeck Slip Resistant • NaturalStain	   

Striving for environmental excellence through certifications



Dulux enviro₂ range (white base only), Porter's Paint Eggshell Acrylic range and three Intergrain products have independent verification from Global GreenTag™ for health and sustainability benefits. The paints' world-leading Platinum ratings and GreenRate Level A certification contribute toward obtaining Green Star, WELL and LEED credits.

Global GreenTag is one of the world's most robust, trusted and widely recognised ecolabels, independently assuring that every product is fitness tested and certified under one of our two leading certification programs that use world's best scientific methods. Dulux enviro₂ and Porter's Paints Eggshell Acrylic have independent verification from Global GreenTag™ for health and sustainability benefits. The paints' world-leading Platinum ratings and GreenRate Level A certification contribute toward obtaining Green Star, WELL and LEED credits.

Declare screens a product's ingredients directly against the Living Building Challenge (LBC) Red List.

The LBC Red List contains the 'worst in class' materials, chemicals and elements known to pose serious risks to human health and the greater ecosystem that are prevalent in the building products industry.

LBC RED LIST FREE products disclose 100% of ingredients present at or above 100 ppm (0.01%) in the final product and do not contain any Red List chemicals. Dulux enviro₂ has achieved Declare® Red List Free certification from the International Living Institute (ILFI) across the entire enviro₂ range, marking it as the only major Australian paint brand to receive this eco certification across a full product range.



Dulux is the first major paint brand in Australia to complete Environmental Product Declarations (EPD). The Dulux enviro₂ EPDs are an overview of their environmental performance throughout their life cycle providing data about the environmental impact of the paint, including its carbon footprint.

How Dulux can contribute to credit achievement

Responsible category

Credit summary			How Dulux can assist
Credit	Outcome	SDGs	
 Responsible Construction Credit #2 Points Available: 1	The builder's construction practices reduce impact and promote opportunities for improved environmental and social outcomes.	 	Minimum Expectation & Credit Achievement Environmental Management Plan Dulux EnviroSolutions can form part of a project's environmental management plan through the Dulux EnviroSolutions Recovery Program, and through the use of the Dulux EnviroSolutions EnviroWash range.
Criteria	Credit Achievement – 1 Point (In addition to the Minimum Expectation)		 Onsite collection point
Minimum Expectation (Nil points given) <ul style="list-style-type: none"> The builder or head contractor has an environmental management system in place to manage its environmental impacts on site. The builder or contractor has an environmental management plan to cover the scope of construction activities. The builder diverts at least 80% of construction and demolition waste from landfill. The head contractor provides training on the sustainability targets of the building. 	<ul style="list-style-type: none"> 90% of construction and demolition waste is diverted from landfill, and waste contractors and facilities comply with the Green Star Construction and Demolition Waste Reporting Criteria. 		 EnviroWash ES 160P
Recommended evidence <ul style="list-style-type: none"> Environmental Management System Environmental Management Plan Construction and Demolition Waste <ul style="list-style-type: none"> Disclosure statement outlining how the contractor or facility aligns with the <i>Green Star Construction and Demolition Waste Reporting Criteria</i> Sustainability Training <ul style="list-style-type: none"> Evidence of training materials and register of attendance Construction and Demolition Waste Diversion <ul style="list-style-type: none"> Compliance Verification Summaries from waste contractor(s) and waste processing facilities as detailed in the Green Star Construction and Demolition Waste Reporting Criteria document 		Construction & Demolition Waste – 80% or 90% diverted The Dulux EnviroSolutions Recovery Program collects most used Dulux-manufactured paint 15L plastic drums. The plastic is counted, processed and recycled into new paint accessories sold through the Dulux Trade network. The program is free to participate in.	 EnviroWash ES 800
		Supporting Evidence Dulux can provide: <ul style="list-style-type: none"> Cumulative Waste Report for our recycled paint drums Disclosure Statement 	  
		Sustainability Training On site and online sustainability training is available to support the Dulux EnviroSolutions Recovery Program and the Dulux EnviroSolutions EnviroWash range of products, including what is required to achieve a high return rate.	
		Supporting evidence Dulux can provide: <ul style="list-style-type: none"> Evidence of training materials and register of attendance – Our online training captures participant details that can feed into evidence gathering. 	
		Interested in sustainability training for your project? Register at the link here or at: tradedirect.dulux.com.au/envirosolutions_training Scan the QR Code:	
		What more information on the above products or services? Please contact the Dulux Commercial Specification team at specificationsupport@dulux.com.au	



How Dulux can contribute to credit achievement

Responsible category continued

Credit summary			How Dulux can assist
Credit	Outcome	SDGs	
 Responsible Finishes Credit #9 Points Available: 2	The building's internal finishes are comprised of responsibly manufactured products.	 	Dulux envirO₂ range – white base only <ul style="list-style-type: none"> Full system (undercoat, ceiling, topcoat) Meets Exceptional Performance requirements RPV = 25 
Criteria			
Credit Achievement – 1 Point <ul style="list-style-type: none"> 40% of all internal building finishes (by cost) meet a Responsible Product Value of at least 7. 			
Exceptional Performance – 1 Point (In addition to credit achievement) <ul style="list-style-type: none"> 10% of all internal building finishes (by cost) meet a Responsible Products Value of at least 12. OR 60% of all internal building finishes (by cost) meet a Responsible Products Value of at least 7. 			
Recommended evidence <ul style="list-style-type: none"> Receipts confirming purchase of stated products Evidence that claimed products with required RPV constitute required cost of all building finishes 			
Porter's Paints Eggshell Acrylic <ul style="list-style-type: none"> Meets Exceptional Performance requirements RPV = 10 			
Intergrain UltraDeck Slip Resistant, Timber Oil & NaturalStain <ul style="list-style-type: none"> Meets Exceptional Performance requirements RPV = 10 			



How Dulux can contribute to credit achievement

Healthy category

Credit summary			How Dulux can assist		
Credit	Outcome	SDGs	General purpose sealants and adhesives	Max TVOC g/L per unit of product (Limit :50)	Technical Data
 Exposure to Toxins Credit #13 Points Available: 2	The building's occupants are not directly exposed to toxins in the spaces they spend time in.		Selleys Quadhere Interior Wood Glue Liquid Nails Mirror Metal & Glass Liquid Nails Fast Grab Selleys SLC 50 Leveller No More Gaps (Interior) Roof & Gutter Silicone Storm Sealant Wet Area Silicone (Standard, Matt) 630 Sealant 650FC Sealant 655FC Sealant 670 Fast Grab 675 Crystal Fix	2 35 8 <1 12 35 32 31 (Std) 45 (Matt) 23 30 32 26 26	Product datasheet Product datasheet
Criteria	Credit Achievement – 2 Points (In addition to the Minimum Expectation)		Admil N192 Roof & Gutter N600 Wet Area Prosil 10 Prosil 20 Prosil 30 Prosil 41 LM Prosil 42 FR Prosil 60 Seal a Gap SupaSil 110 Roof & Gutter SupaSil 160 Wet Area SupaSeal Enduro FC SupaSeal LM	35 31 35 25 35 45 27 35 2 35 31 30 28	Product datasheet Product datasheet
Recommended evidence	<ul style="list-style-type: none"> Extracts from contract specifications for adhesives and sealants. Specifications that demonstrate emission levels or formaldehyde contents. Safety Data Sheets that demonstrate the compliant emission levels or formaldehyde content. Product VOC test certificates that demonstrate emission levels or formaldehyde contents. Product certificates that demonstrate certification under a recognised product certification scheme or recognised standard. <ul style="list-style-type: none"> Bill of Quantities from Quantity Surveyor or Cost planner, demonstrating material costs. Printed / extracted copy. Green Star Buildings Exposure to Toxins. Hazardous materials survey. On-site VOC test results. As built drawings showing the location of the test samples. 		Fosroc (licensed brand) Nitoseal MS250 Nitoseal MS400 Flamex One	12 12 14	Product datasheet Product datasheet Product datasheet



How Dulux can contribute to credit achievement

Healthy category continued



Exposure to Toxins

How Dulux can assist			How Dulux can assist		
Interior wall and ceiling paint, all sheen levels	Max TVOC g/L per unit of product (Limit :16)	Data Sheet	One and two pack performance coatings for floors	Max TVOC g/L per unit of product (Limit :140)	
Dulux			Dulux Protective Coatings		
envirO ₂ Interior (Matt)	<1	AUDU00160	Enviroxy WBE	<50	AUPC00355
envirO ₂ Interior (Low Sheen)	<1	AUDU00159	Luxafloor CFS	<34	AUPC00364
envirO ₂ Water Based Enamel (Semi Gloss)	<5	AUDU00163	Luxafloor ECO2	<10	AUPC00392
envirO ₂ Ceiling Flat	<1	AUDU00164	Luxafloor HSG	<90	PC705
Porter's Paints			Luxafloor WB	<10	AUPC00394
Eggshell Acrylic	<5	AUPP00008			
Low Sheen Acrylic	<5	AUPP00014			
Stone Paint - Coarse	<5	AUPP00016	Fosroc (licensed brand)		
Stone Paint - Fine	<5	AUPP00017	Nitoflor FC150 HP/SL	11	AUFO00005
Ultra Flat	<5	AUPP00001			
Mineral Paint	<15	AUPP00022			
Mineral Silicate Stain	<3	AUPP00058			
Dulux Acratex			Timber Floor sealers and finishes	Max TVOC g/L per unit of product (Limit :140)	
Venetian Plaster Marmorino Fine	<1	AUAC00103	Intergrain		
Venetian Plaster Marmorino Naturale	<1	AUAC00108	EnviroPro Timberseal Water Based	<70	AUIE00034
Venetian Plaster Modello	<1	AUAC00125	Enviropro Endure 1 Pack (Matt)	<75	AUIE00028
Trim, Varnishes and Wood Stains	Max TVOC g/L per unit of product (Limit :75)	Data Sheet	Enviropro Endure 1 Pack (Satin)	<75	AUIE00026
Dulux			Enviropro Endure 1 Pack (Gloss)	<75	AUIE00017
Aquanamel (Semi Gloss)	50	AUDU00075	Enviropro Endure 2 Pack (Part A & B, Matt)	<135	AUIE00028
Aquanamel (Gloss)	<60	AUDU00176	Enviropro Endure 2 Pack (Part A & B, Satin)	<140	AUIE00027
Cabot's			Enviropro Endure 2 Pack (Part A & B, Gloss)	<135	AUIE00025
Cabothane Clear Water Based (Matt)	15	AUCA00068	Enviropro Invisible Floor (Ultra Flat)	<50	AUIE00037
Cabothane Clear Water Based (Satin)	15	AUCA00021	UltraFloor Slip Resistant (Satin)	<70	AUIE00035
Cabothane Clear Water Based (Gloss)	15	AUCA00020			
Intergrain			Acoustic sealants, architectural sealant, waterproofing membranes and sealant, fire retardant sealants and adhesives	Max TVOC g/L per unit of product (Limit :250)	
NaturalStain	59	AUIN00460	Selleys		
Intergrain UltraClear Exterior Matt	65	AUIN00033	Brick and Concrete Silicone	45	Product datasheet
Intergrain UltraClear Interior Matt	15	AUIN00496	VBS Rapid	68	Product datasheet
Dulux Acratex			Flexiseal Sealant	93	Product datasheet
Venetian Plaster Matt Glaze	43	AUAC00102	Fireblock AC	3	Product datasheet
Primers, sealers and prep coats	Max TVOC g/L per unit of product (Limit :65)		Fireblock PA	4	Product datasheet
Dulux			Fireblock XT	23	Product datasheet
envirO ₂ Acrylic Sealer Undercoat	<1	AUDU00161	Admil		
UltraAir Primer	<0.5	AUDU00169	Prosil 41LM	65	Product datasheet
Intergrain			Prosil 42FR	27	Product datasheet
UltraPrep Sealer & Primer	<5	AUIN00043	Wood Flooring and Laminate Adhesives and Sealants	Max TVOC g/L per unit of product (Limit :100)	
Fosroc (licensed brand)			Selleys		
Nitoprime 120	22	AUFO00011	Timberflex Timber Flooring Adhesive	32	Product datasheet
Porter's Paint					
Mineral Silicate Primer	<10	AUPP00015			
Selleys					
Liquid Nails VP30 Primer	14	Product datasheet			
Dulux Acratex					
Venetian Plaster Quartz Primer	28	AUAC00145			

How Dulux can contribute to credit achievement

Resilient category

Credit summary			How Dulux can assist																																																																																
Credit	Outcome	SDGs																																																																																	
 Heat Resilience Credit #19 Points Available: 1	The building reduces its impact on heat island effect.		Dulux Acratex Dulux Acratex Roof Membranes can form part of a heat resilience strategy and assist in reducing the urban heat island effects. Dulux Acratex Roof Membranes in Dulux Vivid White have excellent high Total Solar Reflectance (TSR), and thermal emittance at both initial measurement, and at 3 years. They reflect up to 90% of the sun's total light energy before it is absorbed and converted as heat, keeping the roof surface cooler. Many other colours available in Dulux Acratex Roof Membrane also meet the Green Star Solar Reflectance Index (SRI) criteria. A selection of these are listed below.																																																																																
Criteria																																																																																			
Credit Achievement – 1 Point <ul style="list-style-type: none"> At least 75% of the whole site area comprises of one or a combination of strategies that reduce heat island effect. 																																																																																			
Recommended evidence																																																																																			
<ul style="list-style-type: none"> Supplier Documentation material Data Sheet for compliant roofing and hardscape materials. Selection of hardscape paving materials with high Solar Reflectance Index (SRI). 																																																																																			
																																																																																			
Acratex Roofing Topcoats Roof Membrane Gloss Roof Membrane Satin																																																																																			
Data Sheet AUAC00047 AUAC00120																																																																																			
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How Dulux can contribute to credit achievement

Resilient category continued



Heat Resilience

How Dulux can assist

Highly reflective facades can also form part of a heat resilience strategy. The exterior wall surface stays cooler and reduces the amount of heat conducted into the building. The paint and coatings layer of a facade contributes to the solar reflectivity and thermal emissivity of an exterior wall.

In general, lighter colours will have a higher solar reflectivity than darker colours and are often referred to as "cooling" colours. Solar absorptance is the opposite of solar reflectance and refers to the amount of solar energy absorbed by a surface. High reflectivity means lower absorptance of solar energy. Solar Absorptance is calculated as 1 minus Total Solar Reflectance. A highly reflective surface might have a reflectance of 0.85 or a solar absorptance of 0.15.

Dulux Acratex facade protection membranes such as AcraShield and AcraSkin, have very low absorptance (and high reflectivity) scores in Dulux Vivid White, and also in a variety of other popular light colours.



Dulux Acratex Facade Protection Membranes in Vivid White

	Data Sheet	Total Solar absorptance
AcraShield Low Gloss	AUAC00085	0.14
AcraShield Matt	AUAC00049	0.13
AcraSkin	AUAC00044	0.15

Popular Light Exterior Colours

	Total Solar absorptance
Colorbond® Surfmist®	0.378
Dulux Lexicon® Quarter	0.158
Dulux Lexicon® Half	0.189
Dulux Natural White™	0.204

How Dulux can assist

Dulux Weathershield ColourGuard for Darker Colour Facades

Where darker colours are preferred for a building's exterior walls or facade, Dulux Weathershield ColourGuard can form a small part of a heat resilience strategy. This is due to its formula containing heavy duty reflective pigments which reflect more solar energy than standard acrylic paint coatings, lowering the surface temperature and improving colour durability.

The TSA values of Dulux Weathershield ColourGuard in popular dark colours outperform most standard acrylic paint coatings tinted to the same colours.



Popular Dark Dulux Colours for Exterior Facades

Popular Dark Dulux Colours for Exterior Facades	TSA Conventional Acrylic Paint	TSA ColourGuard	Reduction % in Total Solar Energy Absorbed by Colour
Colorbond® Monument®	0.93	0.74	19%
Colorbond® Woodland Grey®	0.90	0.72	18%
Colorbond® Night Sky®	0.95	0.78	17%
Dulux Domino	0.93	0.75	18%
Dulux Black	0.95	0.78	17%





Dulux®

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are here to support you.**

Please contact us

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