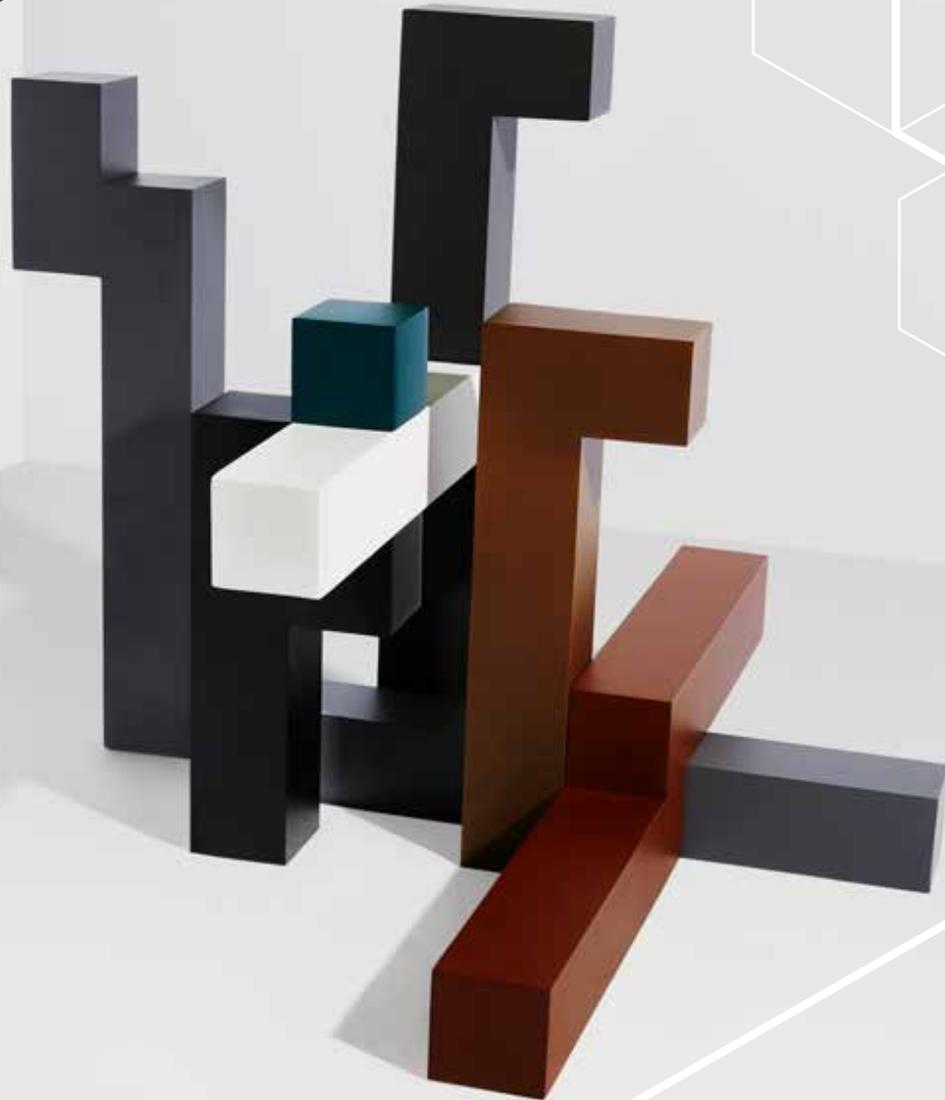


PRODUCT SOLUTIONS

# DURATEC<sup>®</sup>

## ELEMENTS<sup>®</sup>



# Worth doing. Worth Dulux.®

Duratec Elements are a range of distinctive, robust mar-resistant textured finishes built to withstand the elements, delivered with warranty grade advanced super durable polyester thermosetting powder.



- ✓ Super durable finish
- ✓ Excellent colour retention
- ✓ Mar-resistant

## Suitable Substrates

Duratec Elements is ideal for warranty grade applications over:

- Architectural aluminium including perforated and expanded aluminium.
- Steel (mild), bright/semi bright steel, black steel and blue steel.

Duratec Elements can also be used on the following metals but these are not warranted:

- Galvanised steel, stainless steel, zincalume®, non ferrous metals.

## Warranted Benefits

The Dulux Duratec Elements range are supported by Dulux Alumi Shield™ and Dulux Steel Shield™ warranties when applied by a Dulux Accredited Powder Coater to the warranty specification on recommended project types and conditions.

Alumi Shield Warranty™	Steel Shield Warranty™
<p>The Alumi Shield™ warranty is made up of two key components, a colour warranty (for fade and chalking) and a durability warranty (film integrity)</p>	<p>The Steel Shield™ warranty is made up of two key components, a colour warranty (for fade and chalking) and a corrosion warranty</p>

### Terms and conditions apply

- The Alumi Shield™ and Steel Shield™ colour warranties are your assurance that Duratec Elements will not:
  - Fade** – Fade testing will not give a delta E (Hunter) laboratory reading greater than five units from the original colour.
  - Chalk** – The rate of chalking will not exceed a rating of 2 for whites & pastels and a rating of 3 for deep colours as assessed in accordance with AS1580.481.1.11 test method.
- The Alumi Shield™ durability warranty covers the powder coating peeling, cracking or flaking during the warranty period, from the date the product is applied to the metal.
- The Steel Shield™ corrosion warranty covers the powder coating corroding, peeling, cracking or flaking during the warranty period, from the date the product is applied to the metal. Corrosion will be no more than 5% in accordance with the degree of corrosion as a percentage contained in AS/NZS:2312.
- Warranties are only valid when applied by a Dulux Accredited Powder Coater to the warranty specification on recommended project types and conditions.

For more information visit [duluxpowders.com.au/warranties](http://duluxpowders.com.au/warranties)

## Meets International Standards

With over 50 years of experience, the AAMA (American Architectural Manufacturer's Association) is regarded as the standards leader for finishes on architectural aluminium. Dulux Duratec Elements is formulated to meet: AAMA 2603 and AAMA 2604 as well as Australian standard AS 3715.

For more information visit [aamanet.org](http://aamanet.org)

# Project Suitability

## Project Types

Duratec Elements is ideal for most interior and exterior project types (incl. all BCA classes) on steel and aluminium.

							
	<b>NON-HABITABLE</b>	<b>RESIDENTIAL ←4 LEVELS</b>	<b>RESIDENTIAL →3 LEVELS</b>	<b>COMMERCIAL ←4 LEVELS</b>	<b>COMMERCIAL →3 LEVELS</b>	<b>PRESTIGIOUS COMMERCIAL</b>	<b>MONUMENTAL</b>
<b>INTERIOR</b>	●	●	●	●	●	●	●
<b>EXTERIOR</b>	●	●	●	●	●	●	

- Non-Habitable projects are those that are not dwelling types. Examples can be furniture, bus shelters, signage etc.
- Residential properties are typically easy to maintain, given their height and access.
- High-rise projects are less sheltered from neighbouring buildings, raising their exposure and reducing their ease of maintenance.
- Monumental projects attract the most attention and have the highest standards required to uphold the reputation expected from landmark sites.

## Project Suitability - Aluminium

Project Type	Environment	Conditions	Duratec Elements
Monumental	Exterior	Mild, Severe or Tropical	
Prestigious Commercial	Exterior	Mild, Severe or Tropical	●
Commercial	Exterior	Mild, Severe or Tropical	●
Residential	Exterior	Mild, Severe or Tropical	●
Non-Habitable	Exterior	Mild, Severe or Tropical	●
All Projects	Interior	Moderate Interior	●
All projects	Interior	General Interior	●

- Alumi Shield™ warranty available

Duratec Elements is only suitable for coastal environments >10m from the high tide and is NOT suitable in strongly acidic or caustic environments so pH must be between 5 and 9.

Please refer to Interior and exterior environments close to liquids for warranty implications where powder coatings may be in close proximity to liquids other than the sea.

Alumi Shield™ Warranties on perforated and expanded aluminium are available for Duratec Elements in the following environments:

- Interior: General Interior conditions (E-Prime base coat not mandatory); Moderate Interior (E-Prime base coat mandatory).
- Exterior: Mild (E-Prime base coat not mandatory); Severe and tropical: (E-Prime basecoat mandatory).

For more information about specifications on perforated and expanded aluminium visit [duluxpowders.com.au](http://duluxpowders.com.au)

## Conditions

Use the following table which references AS2312.1 and AS3715 to identify the environment, conditions and atmospheric corrosivity categories.

Environment	Conditions	Corrosivity level & Zone	Former AS/NZ 2312 Category	Mild Steel Corrosion Rate <sup>1</sup>	Example environments
Exterior Environment:	Mild	Low (C2) Medium (C3)	B C	1.3 - 25 25-50	Arid, urban, inland city Industrial, geothermal <sup>2</sup> and coastal
	Severe	High (C4), Very high (C5-M, C5-I)	D E-M, E-I	50-80 80-200	Sea shore (calm) Sea shore (surf), offshore Islands <sup>3</sup> & or heavy industrial
	*Tropical	Very high (T)	F	80-200	High, humid and monsoonal locations and islands <sup>4</sup>
Interior Environments	General Interior	Very low(C1) Low (C2)	A B	<1.3 1.3-25	Dry interiors (offices, shops) Minor condensation (warehouses, sports halls)
	Moderate Interior	Medium (C3) High (C4)	C D	25-50 50-80	High moisture (food processing plants, breweries, dairies) Significant contamination (swimmings pools)

\*Tropical projects - It is recommended to speak to a Dulux Account Manager or call the advice line for all projects in Tropical locations.

1. Corrosion rate is for uncoated steel ref AS2312.1.

3. Offshore islands that are not tropical include Waiheke, Stewart Island, Fraser Island etc.

2. Geothermal environments with a PH>5 and <9. For PH outside this consult Dulux.

4. Tropical islands include Australian Islands north of Mackay and Pacific islands such as PNG, Fiji, Samoa, Tonga.

## Project Suitability - Steel

Use the following table to help identify where Duratec Elements can be applied on steel projects, the system required and the Dulux Steel Shield™ warranty level available. Refer to the conditions information to determine the environment that your project will be exposed to.

Corrosion Category			Primer System		Top Coat	
Project Type	Environment	Conditions (incl Corrosivity Level)	Zincshield	E-Prime™	Duratec Elements	
					Corrosion Warranty	Colour Warranty
Prestigious Commercial	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	20 Years
Prestigious Commercial	Exterior	Mild (Medium)	✓ <sup>1</sup>	✓ <sup>2</sup>	5 or 10 Years	20 Years
Prestigious Commercial	Exterior	Mild (Low)	✓		10 Years	20 Years
Commercial Developments	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	20 Years
Commercial Developments	Exterior	Mild (Medium)	✓ <sup>1</sup>	✓ <sup>2</sup>	5 or 10 Years	20 Years
Commercial Developments	Exterior	Mild (Low)	✓		10 Years	20 Years
Residential	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	20 Years
Residential	Exterior	Mild (Medium)	✓ <sup>1</sup>	✓ <sup>2</sup>	5 or 10 Years	20 Years
Residential	Exterior	Mild (Low)	✓		10 Years	20 Years
Non Habitable	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	20 Years
Non Habitable	Exterior	Mild (Medium)	✓ <sup>1</sup>	✓ <sup>2</sup>	5 or 10 Years	20 Years
Non Habitable	Exterior	Mild (Low)	✓		10 Years	20 Years
All Projects	Interior	Moderate Interior (High)	✓	✓	5 Years	20 Years
All Projects	Interior	Moderate Interior (Medium)	✓ <sup>1</sup>	✓ <sup>2</sup>	5 or 10 Years	20 Years
All Projects	Interior	General Interior (Very low to low)	✓		10 Years	20 Years

Duratec Elements is only suitable for coastal environments > 10m from the high tide and is NOT suitable in strongly acidic or caustic environments so pH must be between 5 and 9.

Please refer to Interior and exterior environments close to liquids for warranty implications where powder coatings may be in close proximity to liquids other than the sea.

1. In Mild (Medium) exterior and Moderate Interior (medium) environments a 5 year corrosion warranty is available with a Zincshield and Duratec Elements system.
2. In Mild (Medium) exterior and Moderate Interior (medium) environments a 10 year corrosion warranty is available with a Zincshield, E-Prime and Duratec Elements system.

\* It is recommended to speak to a Dulux Account Manager or call the advice line on 13 24 99 for all C5 projects.

## Interior and exterior environments close to liquids other than the sea

For powder coated assets close to liquids other than the sea, e.g. fences near swimming pools, fountains, bathrooms or furniture etc, please refer to the guidance below to understand the warranty limitations in these environments.

	Chemically Treated	Clean Tap, Fresh or Potable Water	Salt Water	Other
Duratec Elements	■	●	■	Seek advice from Dulux Call 13 24 99

1. Please note chemically treated water includes antimicrobial treatments, e.g. in pools, anti-corrosive chemicals, and soapy water in bathrooms and showers.

■ Where indicated Alumi Shield™ and Steel Shield™ warranties are available on areas > than 2m from the liquid (ie outside the splash zone).

● Where indicated Alumi Shield™ and Steel Shield™ warranties are available any distance from the liquid.

All Dulux powder products are NOT suitable in strongly acidic or caustic environments so pH must be between 5 and 9.

Alumi Shield™ and Steel Shield™ warranties are not available if the powder coating is immersed in any liquid.

## Care and Maintenance

To ensure the life of your asset is maximised and to comply with Dulux warranty requirements, **a simple and regular maintenance program must be implemented** and recorded in line with the Dulux Powders Care and Maintenance brochure.

**For more information refer to the Dulux Care and Maintenance brochure available at [duluxpowders.com.au/tech-advice](http://duluxpowders.com.au/tech-advice) or call 13 24 99**

# Product Summary

## Product Features

Product Features	
Warranties	Alumi Shield™ and Steel Shield™ available - refer to Warranty Benefits.
Technology	Super durable polyester thermosetting powder.
Look	Textured.
Finish	Flat Finish.
Colour range	Available in a range of 8 core colours, across two distinct collections: <ul style="list-style-type: none"><li>• Solid Collection - A collection of 4 of your favourite Colorbond® solid colours.</li><li>• Industrial Collection - A collection of 4 on-trend, authentic industrial metallic looks.</li></ul> View the range in Dulux Colour Selectors, on Aluminium Swatches, or online. Cards and swatches can be ordered from <a href="http://duluxpowders.com.au">duluxpowders.com.au</a> If you cannot find the colour you require Dulux can offer a Custom Colour Service. Call 13 24 99 or visit <a href="http://duluxpowders.com.au">duluxpowders.com.au</a> .
Standards met	Formulated to meet: AS 3715, AAMA 2603 and AAMA 2604
Product Benefits	
Colour retention	<ul style="list-style-type: none"><li>• Excellent colour retention.</li></ul>
Durability	<ul style="list-style-type: none"><li>• Super durable finish.</li></ul>
Mar Resistant	<ul style="list-style-type: none"><li>• Ideal for areas where additional mar-resistance is critical.</li><li>• Potential for a reduction in visible damage in transport, fabrication, construction and service life.</li></ul>
Look	<ul style="list-style-type: none"><li>• Long lasting distinctive flat textured finish.</li></ul>

## Securing your Warranty

### Request a Specification

Our dedicated and knowledgeable specification consultants can help simplify the specification process, saving you time and money by ensuring you achieve the best coating specification for the job. They can provide:

- Documented project specific specifications.
- Written confirmation of your project's eligibility for an Alumi Shield™ or Steel Shield™ warranty.
- Design, coating system and colour advice.

Call 13 24 99 or visit [duluxpowders.com.au](http://duluxpowders.com.au)

### Dulux Accredited Powder Coaters

Only Dulux Accredited Powder Coaters are able to issue our Dulux Alumi Shield™ and Steel Shield™ warranties after demonstrating their capability to meet stringent quality conditions and international standards. Warranties are only valid when applied by a Dulux Accredited Powder Coater to the warranty specification on recommended project types and conditions.



For information visit [duluxpowders.com.au/accredited](http://duluxpowders.com.au/accredited)

**The project:** 1 Collins Wharf  
**Location:** Melbourne, Australia

**Photo credit:** Sean McDonald

## Advice Line

Our dedicated consultants can help simplify the specification process, saving you time and money by providing the right coating advice for your project.

Call 13 24 99

or visit [www.duluxpowders.com.au](http://www.duluxpowders.com.au)

## Offices

### Australia

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Dandenong South VIC 3175  
☎ (61) 3 8787 4500

### New Zealand

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Glenfield, Auckland, New Zealand  
☎ (64) 9 441 8244

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