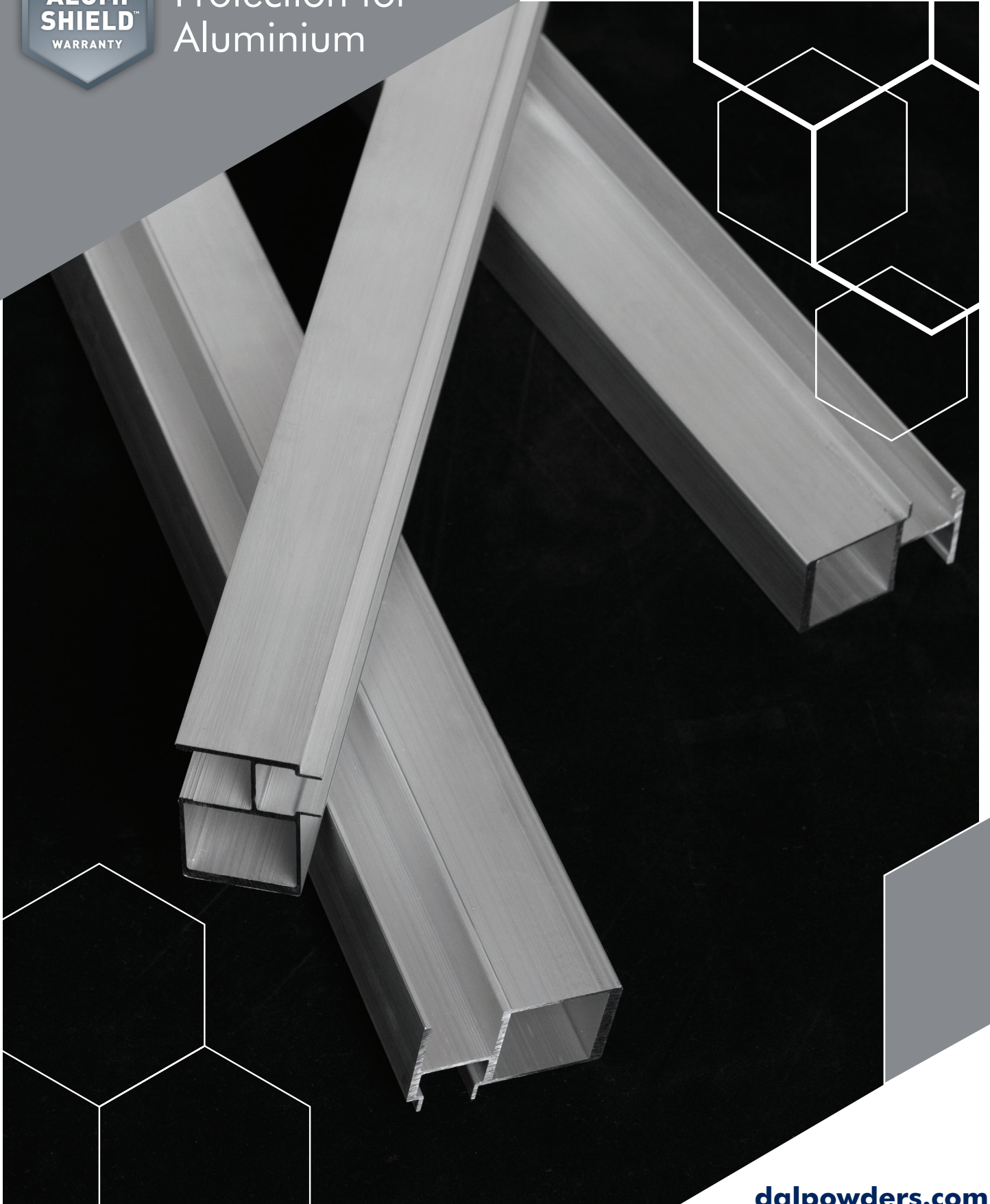


WARRANTY SOLUTIONS



Protection for Aluminium








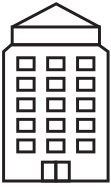

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DGL Powder Coatings are an ideal choice for the long term protection of architectural aluminium items for your next project and provide assurance through the issue of Alumi Shield™ warranties



Suitable Substrates

Alumi Shield™ warranties are available for architectural aluminium applications, including perforated and expanded aluminium, on approved specifications for the following project types:

							
	NON-HABITABLE	RESIDENTIAL ← 4 LEVELS	RESIDENTIAL → 3 LEVELS	COMMERCIAL ← 4 LEVELS	COMMERCIAL → 3 LEVELS	PRESTIGIOUS COMMERCIAL	MONUMENTAL
INTERIOR	•	•	•	•	•	•	•
EXTERIOR	•	•	•	•	•	•	•

- 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

Warranty Performance

The Alumi Shield™ warranty is made up of two key components, a colour warranty (for fade and chalking) and a durability warranty (film integrity).

Colour Warranty	Durability Warranty
 <p>The Alumi Shield™ Colour warranty is your assurance that the colour integrity will be maintained. It is made up of two components:</p> <ul style="list-style-type: none"> • Fade¹ • Chalk² 	 <p>The Alumi Shield™ Durability warranty is your assurance of film integrity. The powder coating will not peel, crack or flake for the warranty period from the date the product is applied to the metal.</p>

Terms and conditions apply

DGL Alumi Shield™ Warranties are your assurance that the coating will not:

- ¹Fade (colour) – Colour fade testing will give a delta E (Hunter) laboratory reading less than five units from the original colour. In accordance with ASTM D2244.
- ²Chalk – 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 is a film integrity assurance that products will not Peel, crack or flake for the warranty period from the date the Product is applied to the Metal.

All DGL premium powder coat products are backed by product specific Alumi Shield™ warranties. Below is an overview of the warranty periods by product available from DGL.

	Warranty	Fluoraset	Electro	Duratec	Duralloy
Alumi Shield™ Warranty	Aluminium Durability	35 Years	25 Years	25 Years	10 Years
	Aluminium Colour	30 Years	15 Years	20 Years*	10 Years

*Excludes Intensity – 15 Years

Project Suitability

It is important to define your project correctly to ensure the correct standard of product is specified and the performance and warranty is able to be gained for your project.

Product Suitability by Project

Use the following table to help identify the product choice you have to gain of Alumi Shield™ on your project. Refer to the conditions information to determine the environment that your project will be exposed to.

Project Details	Environment and Conditions		Top Coat Choice			
	Environment	Conditions	Fluoraset ¹	Electro ²	Duratec ²	Duralloy ³
Monumental	Exterior	Mild, Severe or Tropical	●			
Prestigious Commercial	Exterior	Mild, Severe or Tropical	●	●	●	
Commercial Developments	Exterior	Mild, Severe or Tropical	●	●	●	
Residential (>3 levels)	Exterior	Mild, Severe or Tropical	●	●	●	
Residential (<4 levels)	Exterior	Severe or Tropical	●	●	●	
Residential (<4 levels)	Exterior	Mild	●	●	●	●
Non Habitable	Exterior	Severe or Tropical	●	●	●	
Non Habitable	Exterior	Mild	●	●	●	●
All Projects	Interior	Moderate Interior	●	●	●	
All Projects	Interior	General Interior	●	●	●	●

● Alumi Shield™ warranty available

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

1. Fluoraset may be suitable in locations <10m from the high tide line e.g. harbours (contact Dulux for advice.)
2. Electro and Duratec are only suitable for coastal environments >10m from the high tide.
3. Duralloy is only suitable for coastal environments >100m from the high tide line.

Alumi Shield™ warranties on perforated and expanded aluminium are available for products recommended for the indicated projects, environments and conditions above. Powder primers may be necessary as detailed below:

- a. Interior: General Interior conditions (E-Prime base coat not mandatory); Moderate Interior (E-Prime base coat mandatory).
- b. 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 dglpowders.com

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 ¹	Example environments
Exterior Environment:	Mild	Low (C2) Medium (C3)	B C	1.3 - 25 25-50	Arid, urban, inland city Industrial, geothermal ² 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 ³ & or heavy industrial
	*Tropical	Very high (T)	F	80-200	High, humid and monsoonal locations and islands ⁴
Interior Environments	General Interior	Very low(C1)	A	<1.3	Dry interiors (offices, shops)
		Low (C2)	B	1.3-25	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)

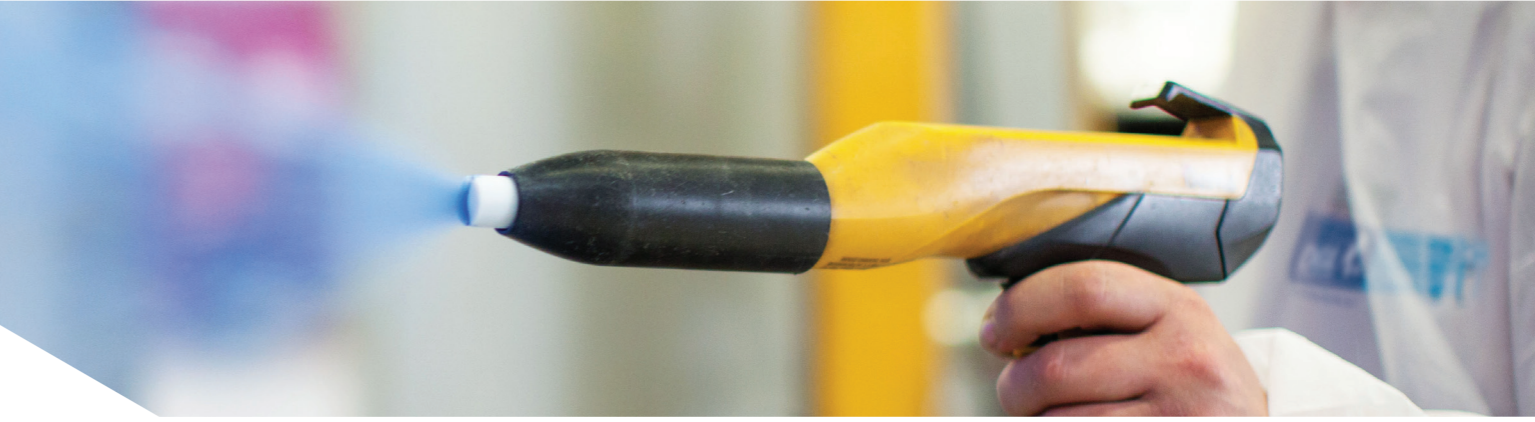
*Tropical projects - It is recommended to speak to a DGL Account Manager or call the advice line for all projects in Tropical locations.

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 DGL.

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



Alumi Shield™ warranties are available when applied by a DGL Accredited Powder Coater to the warranty specification on recommended project types and conditions.

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 in such environments.

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 for your product choice and to understand the warranty limitations in these environments.

	¹ Chemically Treated	Clean Tap, Fresh or Potable Water	Salt Water	Other
Fluoraset	■	●	■	Seek advice from Dulux Call 13 24 99
Electro	■	●	■	
Duratec	■	●	■	
Duralloy	✓	■	✓	

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™ warranties are available on areas >than 2m from the liquid (ie outside the splash zone).

✓ Where indicated Alumi Shield™ warranties are available on areas >than 5m from the liquid.

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

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

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

For more information on Alumi Shield™ please visit dglpowders.com

Technical Requirements for Alumi Shield™ Warranty

AAMA 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. The AAMA objective is to develop and improve quality standards, encourage research & development and set benchmarks for product performance of architectural products. For finishing of architectural aluminium, DGL recommend three internationally recognised AAMA standards, AAMA 2603 (for BCA Class 1 and 10), and AAMA 2604 and 2605 (for all BCA Classes). Specifying powder coatings that comply with one of the below AAMA standards removes all doubt for the fabricator and applicator. The standards spell out the level of both colour performance and film properties required. The DGL powder coating products that meet or exceed these standards are shown below.

	Fluoraset	Electro	Duratec	Duralloy
AAMA 2605	●			
AAMA 2604	●	●	●	
AAMA 2603	●	●	●	●
Coating Type	Ultra Durable Fluoropolymer	Super Durable Polyester	Super Durable Polyester	Durable Polyester

Care and Maintenance

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

For more information refer to the DGL Powders Care and Maintenance brochure available at dglpowders.com.au/tech-advice.

Securing your Alumi Shield™ 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™ warranty.
- Design, coating system and colour advice.
- Colour samples

For information visit dglpowders.com

DGL Accredited Powder Coaters

Only DGL Accredited Powder Coaters are able to issue our DGL Alumi Shield™ warranties after demonstrating their capability to meet stringent quality conditions and international standards. Every project they complete is audited and samples are tested at our Australian and New Zealand technical centres to ensure they meet the strict standards required to gain a DGL warranty.



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For information visit dglpowders.com/accredited



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. visit dglpowders.com/contact-us

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