

PRODUCT SOLUTIONS

DURALLOY™

POWDERCOAT RANGE



dglpowders.com

Duralloy are a range of subtle, neutral solid colours including popular RAL colours, delivered with warranty grade advanced durable polyester thermosetting powder.



✓ **Durable finish**

✓ **Good colour retention**

Suitable Substrates

Duralloy is ideal for warranty grade applications over:

- Architectural aluminium including perforated and expanded aluminium.

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

- Steel (mild), bright/semi bright steel, black steel and blue steel
- Galvanised Steel, Stainless steel, zincalume, non ferrous metals

Warranted Benefits

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

Alumi Shield™ Warranty

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



Terms and conditions apply

- The Alumi Shield™ colour warranties are your assurance that Duralloy will not

Fade – Fade testing will not give a delta E (Hunter) laboratory reading greater than five units from the original colour.

Chalk – Terms of chalking when measured in accordance with the procedures specified in AS1580 METHOD 481.1.

- The Alumi Shield™ durability warranty is your film integrity assurance that Duralloy will not peel, crack or flake for the warranty period from the date the product is applied to the metal.
- 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 dglpowders.com/warranties

Meets International Standards








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

For more information visit aamanet.org

Project Suitability

Project Types

Duralloy is ideal for interior projects on steel and aluminium that are within exterior class 1 & 10 residential buildings of the building code and non-habitable projects.

							
	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.

Project Suitability - Aluminium

Project Type	Environment	Conditions	Duralloy
Residential (<4 Levels)	Exterior	Mild	●
Non-Habitable	Exterior	Mild	●
All projects	Interior	General Interior	●

- Alumi Shield™ warranty available

Duralloy is only suitable for coastal environments > 100m 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 Duralloy in the following environments:

- Interior: General Interior conditions (E-Prime base coat not mandatory).
- Exterior: Mild (E-Prime base coat not mandatory).

For more information about specifications on perforated and expanded aluminium visit 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 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
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)

1. Corrosion rate is for uncoated steel ref AS2312.1.
2. Geothermal environments with a PH>5 and <9. For PH outside this consult DGL.

Project Suitability - Steel

Use the following table to help identify where Duralloy can be applied on steel projects and the recommended system required. 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™	Duralloy
Residential (<4 Levels)	Exterior	Mild (Medium)	✓ ¹	✓ ²	●
Residential (<4 Levels)	Exterior	Mild (Low)	✓		●
Non Habitable	Exterior	Mild (Medium)	✓ ¹	✓ ²	●
Non Habitable	Exterior	Mild (Low)	✓		●
All Projects	Interior	General Interior (Very low to low)	✓		●

Duralloy is only suitable for coastal environments >100m from the high tide and is NOT suitable in strongly acidic or caustic environments so pH must be between 5 and 9.

1. In Mild (Medium) exterior environments a Zincshield and Duralloy system can be used.

2. In Mild (Medium) exterior environments a Zincshield, E-Prime and Duralloy system is highly recommended.

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
Duralloy	✓	●	✓	Seek advice from DGL

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 5m from the liquid.

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

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.

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 Powders Care and Maintenance brochure.

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

Product Summary

Product Features

Product Features	
Warranties	Alumi Shield™ available - refer to Warranted Benefits.
Technology	Durable polyester thermosetting powder.
Look	Solid and pearlescent.
Finish	Matt, Satin and Gloss.
Colour range	Available in a range of colours, across two distinct collections: <ul style="list-style-type: none">• Solid Collection - A range of solid colours available including matches top popular RAL® colours.• Pearlescent Collection - A collection of beautiful pearlescent looks View the range in DGL Colour Selectors, on Aluminium Swatches, or online. Cards and swatches can be ordered from dglpowders.com . If you cannot find the colour you require DGL can offer a Custom Colour Service. For more information visit dglpowders.com
Standards met	Formulated to meet: AS 3715 and AAMA 2603

Product Benefits	
Colour retention	• Good colour retention.
Durability	• Durable finish.
Look	• Durable Solid and pearlescent finishes

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™ 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.



认可粉末喷涂厂

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

Offices

Australia

DGL International Powder Coatings
1-15 Pound Road West
Dandenong South VIC 3175
☎ (61) 3 8787 4500

New Zealand

DGL International Powder Coatings
31B Hillside Road
Glenfield, Auckland, New Zealand
☎ (64) 9 441 8244

Singapore

DGL International Powder Coatings
No.100 Pasir Panjang Road,
#02-10, Singapore 118518
☎ (65) 6 838 1010

China

DGL International Powder Coatings
Room 406, No. 8, Lane 1977, JinShaJiang Road,
Shanghai, China, PC 200333
☎ (86) 21 6173 8800