



POWDER & INDUSTRIAL COATINGS

PRODUCT SOLUTIONS

PRECIOUS[®]

POWDERCOAT RANGE



ALUMI SHIELD™
WARRANTY

10 YEAR
ALUMINIUM DURABILITY WARRANTY

10 YEAR
ALUMINIUM COLOUR WARRANTY

STEEL SHIELD™
WARRANTY

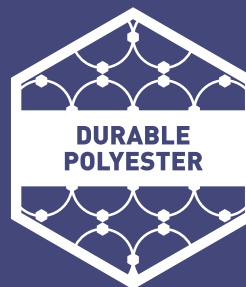
UP TO **10 YEAR**
STEEL CORROSION WARRANTY

10 YEAR
STEEL COLOUR WARRANTY

Worth doing, worth Dulux.[®]

Worth doing. Worth Dulux.[®]

Precious are a range of beautiful, decorative pearlescent colours, delivered with warranty grade advanced durable polyester thermosetting powder.



✓ Durable finish

✓ Good colour retention

Suitable Substrates

Precious 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

Precious 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 Precious 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 Precious will not
Fade – Fade testing will not give a delta E (Hunter) laboratory reading greater than five units from the original colour.
Chalking – 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 Precious will not peel, crack or flake for the warranty period from the date the product is applied to the Metal.
- The Steel Shield™ corrosion warranty is your assurance that the coating system will not corrode more 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

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 Precious is formulated to meet: AAMA 2603 as well as Australian standard AS 3715.

For more information visit aamanet.org

Project Suitability

Project Types

Precious 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 | Precious |
|-------------------------|-------------|------------------|----------|
| Residential (<4 Levels) | Exterior | Mild | ● |
| Non-Habitable | Exterior | Mild | ● |
| All projects | Interior | General Interior | ● |

● Alumi Shield™ warranty available

Precious is only suitable for coastal environments > 100m from the high tide and is NOT suitable in strongly acidic environments so PH must be >5. 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 Precious 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 AS4312 (Atmospheric corrosivity zones in Australia) and AS3715 (Metal Finishing – Thermoset powder coatings for architectural applications of aluminium and aluminium alloys) to define the environmental conditions of your project.

| Environment | Conditions | Corrosivity level & Zone | Mild Steel Corrosion Rate ¹ | Example environments |
|-----------------------|------------------|--------------------------|--|--------------------------|
| Exterior Environment: | Mild | Low (C2) | 1.3 - 2.5 | Arid, urban, inland city |
| | | Medium (C3) | 25-50 | Industrial and coastal |
| Interior Environments | General Interior | Very low(C1) | <1.3 | Dry interiors |
| | | Low (C2) | 1.3-25 | Minor condensation |

1. Corrosion rate is for uncoated steel and is for reference to Steel Shield warranty environments

Project Suitability - Steel

Use the following table to help identify where Precious 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 | Precious | |
| | | | | Corrosion Warranty | Colour Warranty |
| Residential (<4 Levels) | Exterior | Mild (Medium) | ✓ | 5 Years | 10 Years |
| Residential (<4 Levels) | Exterior | Mild (Low) | ✓ | 10 Years | 10 Years |
| Non Habitable | Exterior | Mild (Medium) | ✓ | 5 Years | 10 Years |
| Non Habitable | Exterior | Mild (Low) | ✓ | 10 Years | 10 Years |
| All Projects | Interior | General Interior (Very low to low) | ✓ | 10 Years | 10 Years |

Precious is only suitable for coastal environments >100m from the high tide and is NOT suitable in strongly acidic environments so PH must be >5. 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.

* 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.

| | ¹ Chemically Treated | Clean Tap, Fresh or Potable Water | Salt Water | Other |
|-----------------|---------------------------------|-----------------------------------|------------|---|
| Precious | ✓ | ■ | ✓ | 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 5m from the liquid.

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

All Dulux powder products are NOT suitable in strongly acidic environments so PH must be >5.

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 should be implemented.

For more information refer to the Dulux Care and Maintenance brochure available at 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 | Durable polyester thermosetting powder Selected Precious colours are also available with RapidCure Technology enabling reductions in energy consumption during curing and or, increased process line speeds. For more information on RapidCure Technology call 13 24 99 or visit duluxpowders.com.au/rapidcure-technology | | |
| Look | Pearlescent | | |
| Finish | Matt, Satin and Gloss | | |
| Colour range | Available in a range of over 20 core colours View the range in the Dulux World of Colour® Powder Coat Series Colour Selector, on Aluminium Swatches, or online. Cards and swatches can be ordered from duluxpowders.com.au If you cannot find the colour you require Dulux can offer a Custom Colour Service. Call 13 24 99 or visit duluxpowders.com.au | | |
| Standards met | Formulated to meet: AS 3715 and AAMA 2603 | | |
| Environmental suitability | <table border="0"> <tr> <td style="vertical-align: top;"> Exterior projects (BCA Class 1 and 10) <ul style="list-style-type: none"> • Residential buildings less than 4 Levels • Non-Habitable </td> <td style="vertical-align: top;"> Interior projects (All BCA Classes) <ul style="list-style-type: none"> • All commercial building • All residential buildings • Non-Habitable </td> </tr> </table> <p>Refer to project suitability tables in this document for more info</p> | Exterior projects (BCA Class 1 and 10) <ul style="list-style-type: none"> • Residential buildings less than 4 Levels • Non-Habitable | Interior projects (All BCA Classes) <ul style="list-style-type: none"> • All commercial building • All residential buildings • Non-Habitable |
| Exterior projects (BCA Class 1 and 10) <ul style="list-style-type: none"> • Residential buildings less than 4 Levels • Non-Habitable | Interior projects (All BCA Classes) <ul style="list-style-type: none"> • All commercial building • All residential buildings • Non-Habitable | | |

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

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



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

Offices

Australia

Dulux Powder & Industrial Coatings

1-15 Pound Road West

Dandenong South VIC 3175

☎ (61) 3 8787 4500

New Zealand

Dulux Powder & Industrial Coatings

31B Hillside Road

Glenfield, Auckland, New Zealand

☎ (64) 9 441 8244

Singapore

DGL International Powder & Industrial Coatings

BLK 100 Pasir Panjang Road

#02-10, Singapore 118518

☎ (65) 68381010

China

DGL International Powder & Industrial Coatings

No.11 Changtang Road, Yantian District

Fenggang, Dongguan, Guandong, China, PC 523701

☎ (65) 68381010