



POWDER & INDUSTRIAL COATINGS

PRODUCT SOLUTIONS

# FLUOROSET®

POWDERCOAT RANGE



**ALUMI SHIELD™**  
WARRANTY

**30 YEAR**  
ALUMINIUM  
DURABILITY  
WARRANTY

**25 YEAR**  
ALUMINIUM  
COLOUR  
WARRANTY

**STEEL SHIELD™**  
WARRANTY

UP TO  
**10 YEAR**  
STEEL  
CORROSION  
WARRANTY

**25 YEAR**  
STEEL  
COLOUR  
WARRANTY

Worth doing, worth Dulux.®

# Worth doing. Worth Dulux.®

Fluoroset are a range of subtle and neutral solid colours, delivered with warranty grade advanced ultra durable fluoropolymer thermosetting powder.



✓ Ultra durable hardwearing finish

✓ Superior colour retention

## Suitable Substrates

Fluoroset 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

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

- Galvanised steel, stainless steel, zincalume and non ferrous metals

## Warranted Benefits

The Dulux Fluoroset 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 Fluoroset 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 Fluoroset 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 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

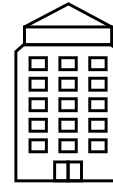
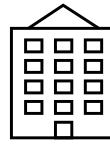
With over 50 years of experience, the AAMA (American Architectural Manufacturer's Association) is regarded as the standards leader for finishes on architectural aluminium. Dulux Fluoroset is formulated to meet: AAMA 2603, AAMA 2604 and AAMA 2605 as well as Australian standard AS 3715.

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

# Project Suitability

## Project Types

Fluoroset is ideal for most interior and exterior project types on steel and aluminium.



	NON-HABITABLE	RESIDENTIAL <4 LEVELS	RESIDENTIAL >3 LEVELS	COMMERCIAL <4 LEVELS	COMMERCIAL >3 LEVELS	PRESTIGIOUS COMMERCIAL	MONUMENTAL
<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	Fluoroset
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

Fluoroset may be suitable for coastal environments <10m from the high tide line e.g. harbours (contact Dulux for advice) 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 Fluoroset 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 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 <sup>1</sup>	Example environments
Exterior Environment:	Mild	Low (C2) Medium (C3)	1.3 - 2.5 25-50	Arid, urban, inland city Industria and coastal
	Severe	High (C4), Very high (C5-M, C5-I)	50-80 80-200	Sea shore (calm) Sea shore (surf) & or heavy industrial
	*Tropical	Very high (T)	80-200	High, humid and monsoonal locations
Very high (C5-M, C5-I)* Sea shore (surf) & or heavy industrial*	General Interior	Very low(C1) Low (C2)	<1.3 1.3-25	Dry interiors Minor condensation
	Moderate Interior	Medium (C3) High (C4)	25-50 50-80	High moisture Significant contamination

\*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 and is for reference to Steel Shield warranty environments

## Project Suitability - Steel

Use the following table to help identify where Fluoraset 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™	Fluoraset	
					Corrosion Warranty	Colour Warranty
Prestigious Commercial	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	25 Years
Prestigious Commercial	Exterior	Mild (Medium)	✓		5 Years	25 Years
Prestigious Commercial	Exterior	Mild (Low)	✓		10 Years	25 Years
Commercial Developments	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	25 Years
Commercial Developments	Exterior	Mild (Medium)	✓		5 Years	25 Years
Commercial Developments	Exterior	Mild (Low)	✓		10 Years	25 Years
Residential	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	25 Years
Residential	Exterior	Mild (Medium)	✓		5 Years	25 Years
Residential	Exterior	Mild (Low)	✓		10 Years	25 Years
Non Habitable	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	25 Years
Non Habitable	Exterior	Mild (Medium)	✓		5 Years	25 Years
Non Habitable	Exterior	Mild (Low)	✓		10 Years	25 Years
All Projects	Interior	Moderate Interior (High)	✓	✓	5 Years	25 Years
All Projects	Interior	Moderate Interior (Medium)	✓		5 Years	25 Years
All Projects	Interior	General Interior (Very low to low)	✓		10 Years	25 Years

Fluoraset may be suitable for coastal environments < 10m from the high tide line e.g. harbours (contact Dulux for advice) 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.

## 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
<b>Fluoraset</b>	■	●	■	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 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](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	Ultra durable fluoropolymer thermosetting powder				
Look	Solid				
Finish	Satin Finish				
Colour range	Available in a range of 6 core colours View the range in the Dulux World of Colour® Powder Coat Series Premium Colour Selector, 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, AAMA 2604 and AAMA 2605				
Environmental suitability	<table><thead><tr><th>Exterior projects (All BCA Classes)</th><th>Interior projects (All BCA Classes)</th></tr></thead><tbody><tr><td><ul style="list-style-type: none"><li>All commercial buildings</li><li>All residential buildings</li><li>Non-Habitable</li></ul></td><td><ul style="list-style-type: none"><li>All commercial buildings</li><li>All residential buildings</li><li>Non-Habitable</li></ul></td></tr></tbody></table> <p>Refer to project suitability tables in this document for more info</p>	Exterior projects (All BCA Classes)	Interior projects (All BCA Classes)	<ul style="list-style-type: none"><li>All commercial buildings</li><li>All residential buildings</li><li>Non-Habitable</li></ul>	<ul style="list-style-type: none"><li>All commercial buildings</li><li>All residential buildings</li><li>Non-Habitable</li></ul>
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## 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:** Perth Arena  
**Location:** Perth, Australia

**Photo credit:** Cameron Chisholm Nicol/  
Greg Hocking Photography

A decorative graphic in the top left corner featuring several overlapping hexagons in white and dark blue outlines.

## 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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