

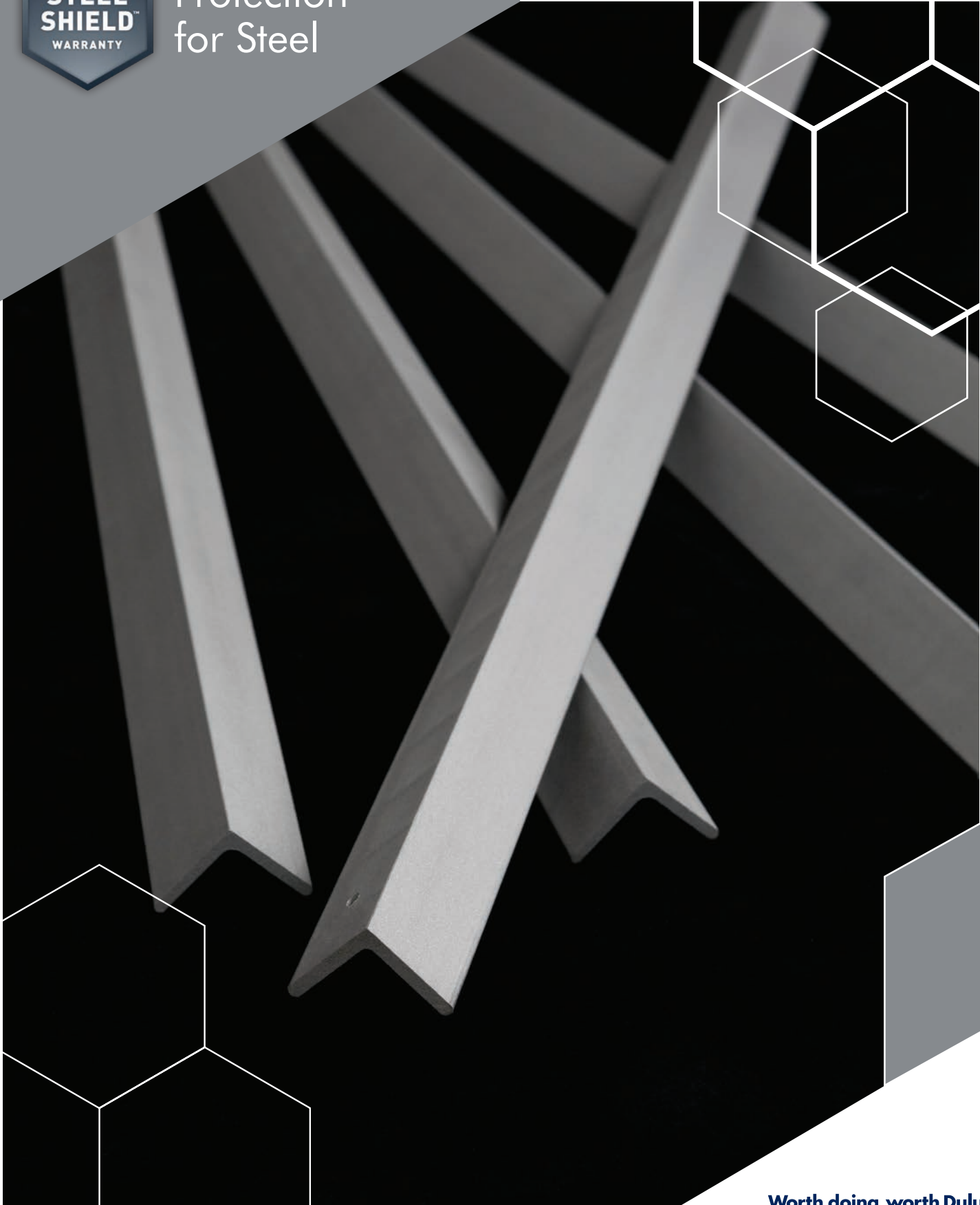
WARRANTY SOLUTIONS



POWDER & INDUSTRIAL COATINGS



Protection  
for Steel



Worth doing, worth Dulux.®

# Worth doing. Worth Dulux.®






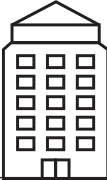

Dulux Powder Coatings are an ideal choice for the long term protection of mild steel items for your next project, and provide assurance through the issue of Steel Shield™ Warranties.



## Suitable Substrates

The Steel Shield™ warranty will only be issued on the following substrates: mild steel, bright/semi bright steel, black/blue steel. All other steel types including galvanised coated steel are not warranted under the Steel Shield™ Warranty Program.

Warranties are available on approved specifications for the following project types:

							
	<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

## Warranty Performance

The Steel Shield™ warranty is made up of two key components, a colour warranty (for fade and chalking) and a corrosion warranty.

Colour Warranty	Durability Warranty
 <p>The Steel Shield™ Colour warranty is your assurance that the colour integrity will be maintained.</p> <p>It is made up of two components:</p> <ul style="list-style-type: none"> <li>• Fade<sup>1</sup></li> <li>• Chalk<sup>2</sup></li> </ul>	 <p>The Steel Shield™ Corrosion warranty is your assurance that the substrate will not corrode. The powder coating will not corrode for the warranty period from the date the product is applied to the metal.</p>

### Terms and conditions apply

Dulux Steel Shield™ warranties are your assurance that the coating will not:

- <sup>1</sup>Fade (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.
- <sup>2</sup>Chalk – 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.

Colour warranties are achievable as long as the substrate is not corroded. Should corrosion occur the colour warranty is void.

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:2312.1.2014

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

	Warranty	Fluoraset	Electro	Duratec	Duralloy	Precious
Steel Shield™ Warranty	Steel Corrosion	Up to 10 Years	Up to 10 Years	Up to 10 Years	Up to 10 Years	Up to 10 Years
	Steel Colour	25 Years	15 Years	15 Years*	10 Years	10 Years

\*Excludes Intensity – 10 Years

# Product System and Choice

It is important to define your project and conditions 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 a Steel Shield™ warranty on your project. Refer to the conditions information to determine the environment that your project will be exposed to.

Project Details	Environment and Conditions		Primer System		Top Coat Choice									
					Fluoraset <sup>1</sup>		Electro <sup>2</sup>		Duratec <sup>2</sup>		Duralloy <sup>3</sup>		Precious <sup>3</sup>	
					Corrosion Warranty	Colour Warranty	Corrosion Warranty	Colour Warranty	Corrosion Warranty	Colour Warranty	Corrosion Warranty	Colour Warranty	Corrosion Warranty	Colour Warranty
Project Type	Environment	Conditions	Zincshield	E-Prime										
Monumental	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	25 Years								
Monumental	Exterior	Mild (Medium)	✓		5 Years	25 Years								
Monumental	Exterior	Mild (Low)	✓		10 Years	25 Years								
Prestigious Commercial	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	25 Years								
Prestigious Commercial	Exterior	Mild (Medium)	✓		5 Years	25 Years	5 Years	15 Years	5 Years	15 Years*				
Prestigious Commercial	Exterior	Mild (Low)	✓		10 Years	25 Years	10 Years	15 Years	10 Years	15 Years*				
Commercial Developments	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	25 Years	5 Years	15 Years	5 Years	15 Years*				
Commercial Developments	Exterior	Mild (Medium)	✓		5 Years	25 Years	5 Years	15 Years	5 Years	15 Years*				
Commercial Developments	Exterior	Mild (Low)	✓		10 Years	25 Years	10 Years	15 Years	10 Years	15 Years*				
Residential (>3 levels)	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	25 Years	5 Years	15 Years	5 Years	15 Years*				
Residential (>3 levels)	Exterior	Mild (Medium)	✓		5 Years	25 Years	5 Years	15 Years	5 Years	15 Years*				
Residential (>3 levels)	Exterior	Mild (Low)	✓		10 Years	25 Years	10 Years	15 Years	10 Years	15 Years*				
Residential (<4 levels)	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	25 Years	5 Years	15 Years	5 Years	15 Years*				
Residential (<4 levels)	Exterior	Mild (Medium)	✓		5 Years	25 Years	5 Years	15 Years	5 Years	15 Years*	5 Years	10 Years	5 Years	10 Years
Residential (<4 levels)	Exterior	Mild (Low)	✓		10 Years	25 Years	10 Years	15 Years	10 Years	15 Years*	10 Years	10 Years	5 Years	10 Years
Non Habitable	Exterior	Severe or Tropical (High to very high)	✓	✓	5 Years	25 Years	5 Years	15 Years	5 Years	15 Years*				
Non Habitable	Exterior	Mild (Medium)	✓		5 Years	25 Years	5 Years	15 Years	5 Years	15 Years*	5 Years	10 Years	5 Years	10 Years
Non Habitable	Exterior	Mild (Low)	✓		10 Years	25 Years	10 Years	15 Years	10 Years	15 Years*	10 Years	10 Years	10 Years	10 Years
All Projects	Interior	Moderate Interior (High)	✓	✓	5 Years	25 Years	5 Years	15 Years	5 Years	15 Years*				
All Projects	Interior	Moderate Interior (Medium)	✓		5 Years	25 Years	5 Years	15 Years	5 Years	15 Years*				
All Projects	Interior	General Interior (Very low to low)	✓		10 Years	25 Years	10 Years	15 Years	10 Years	15 Years*	10 Years	10 Years	5 Years	10 Years

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

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 and Precious are only suitable for coastal environments >100m from the high tide line.

\*Duratec Intensity – Steel Colour Warranty 10 Years

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.

## Design Considerations

In order to qualify for a Steel Shield™ warranty:

- Abrasive blast clean all steel surfaces to be painted in accordance with AS1627.4 to visual standard AS1627.9 Class 2.5 (equivalent to ISO8501-1, Sa 2.5: Very Thorough Blast-Cleaning). Use a non-metallic medium that will generate a surface profile of 35 to 65 microns (as tested to AS3894.5 Method A).
- Items must be stored in a area which is clean and dry after blasting.
- Items must be coated within 4 hours of blasting
- Items to be coated must be planned and designed in accordance with AS/NZS 2312 Section 3.
- Please refer to a Dulux Duspec Specification for exact specification details at [www.duspec.com.au](http://www.duspec.com.au)

## Conditions

Use the following table which references AS4312 (Atmospheric corrosivity zones in Australia) 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 Industrial and coastal
	Severe	High (C4), Very high (C5-M, C5-1)	50-80 80-200	Sea shore (calm) Sea shore (surf) & or heavy industrial
	*Tropical	Very high (T)	80-200	High, humid and monsoonal locations
Interior Environments	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

For more information on Alumi Shield™ please call 13 24 99 or visit [duluxpowders.com.au](http://duluxpowders.com.au)

# Technical Requirements for Steel Shield™ Warranty

## 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 options for your project.

	<sup>1</sup> Chemically Treated	Clean Tap, Fresh or Potable Water	Salt Water	Other
Fluoroset	■	●	■	Seek advice from Dulux Call 13 24 99
Electro	■	●	■	
Duratec	■	●	■	
Precious	✓	■	✓	
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 Steel Shield™ warranties are available on areas >than 2m from the liquid (ie outside the splash zone)

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

● Where indicated 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.

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

For more information on Steel Shield™ please call 13 24 99 or visit [duluxpowders.com.au](http://duluxpowders.com.au)

## Care and Maintenance

To ensure the life of your asset is maximised and to comply with Dulux warranty requirements, refer to our Care and Maintenance brochure and employ a simple and regular maintenance program.

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

## 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 a 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 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 more information visit [duluxpowders.com.au/accredited](http://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](http://www.duluxpowders.com.au)

## Offices

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