

# Metalshield Product Guide

Single Pack Primers and Topcoats



# Metalshield

Dulux® Metalshield® is a comprehensive range of single component products comprising anti-corrosive primers, spray packs, hammer finishes, and quick dry enamel topcoats complemented with spraypacks for touch-up applications and a purpose-designed thinner range.

Metalshield® is available in Dulux World of Colour®, AS2700 colours and Colorbond® standard colours.

This range has been designed to provide ease of application whether brushing, rolling or spraying; fast turnaround and excellent performance with an attractive finish.

Metalshield® is suitable for the refurbishment, protection and decoration of most common metal surfaces including light fabricated steelwork, mobile plant and equipment and industrial machinery.

	Product	Finish	Technology Type	Resistance Properties	Primer Required	Direct to Metal Application	Touch Dry	Handle and Recoat Times
Topcoats	Metalshield® Premium	High gloss	Solvent-based	Corrosion resistance, UV resistance	Metalshield® Etch Primer, Metalshield® High Build ZP Primer	No	2 hrs	Handle: 6 hrs, Recoat: 24 hrs
	Metalshield® Premium Aluminium	Metallic sheen	Solvent-based	Corrosion resistance	Metalshield® Etch Primer, Metalshield® High Build ZP Primer	No	4-6 hrs	Handle: 16 hrs, Recoat: 16 hrs minimum
	Metalshield® Epoxy Enamel	Flat, Satin or High gloss	Solvent-based	Corrosion resistance	Metalshield® Etch Primer, Metalshield® High Build ZP Primer	Direct to bare metal	4 hrs	Handle: 8 hrs, Recoat: 24 hrs
	Metalshield® Rust Defence™	Satin or Gloss	Water-based	Corrosion resistance, UV resistance	Precision® All Metal Primer	Direct to bare metal	30 min	Handle: 1 hr, Recoat: 1 hr
	Metalshield® QD Enamel	High gloss	Solvent-based	Corrosion resistance	Metalshield® Etch Primer, Metalshield® High Build ZP Primer, Metalshield® Quick Dry Primer	No	20 min	Handle: 2 hrs, Recoat: within 4 hrs or after 24 hrs
Primers	Metalshield® Etch Primer	Low sheen	Solvent-based	Corrosion resistance	N/A	N/A	10 min	Handle: 30 min, Recoat: 10 min minimum
	Metalshield® High Build ZP Primer	Low sheen	Solvent-based	Corrosion resistance	N/A	N/A	15 min	Handle: 2 hrs, Recoat: within 2 hrs or after 12 hrs
	Metalshield® All Surface Primer	Flat	Solvent-based	Corrosion resistance	N/A	N/A	20 min	Handle: 1 hr, Recoat: 1 hr
	Metalshield® Quick Dry Primer	Flat	Solvent-based	Corrosion resistance	N/A	N/A	10 min	Handle: 45 min, Recoat: 2 hrs minimum
	Metalshield® Cold Galv Primer	Flat	Solvent-based	Corrosion resistance	N/A	N/A	30 min	Handle: 16 hrs, Recoat: 3 hrs minimum
Spray Packs	Metalshield® QD Enamel	High gloss	Solvent-based	Corrosion resistance	Metalshield® Etch Primer, Metalshield® High Build ZP Primer, Metalshield® Quick Dry Primer	No	20 min	Handle: 2 hrs, Recoat: 2 hrs
	Metalshield® Zinc Galv Spray	Flat	Solvent-based	Corrosion resistance	N/A	Direct to bare metal	30 min	Handle: 1 hr, Recoat: 1 hr
	Metalshield® Multi Purpose Spray	Semi gloss	Solvent-based	Corrosion resistance	N/A	Direct to bare metal	30 min	Handle: 1 hr, Recoat: 2 hrs
	Metalshield® Epoxy Enamel Spray	Flat, Satin or High gloss	Solvent-based	Corrosion resistance	N/A	Direct to bare metal	90 min	Handle: 1 hr, Recoat: 1 hr
	Metalshield® Steel Primer	Low sheen	Solvent-based	Corrosion resistance	N/A	N/A	30 min	Handle: 1 hr, Recoat: 2 hrs or after 24 hrs
	Metalshield® Etch Primer Spray	Low sheen	Solvent-based	TBA	N/A	N/A	10 min	Handle: 1 hr, Recoat: 1 hr

# Metalshield Topcoats



## Metalshield Premium Topcoat

Metalshield® Premium products have been specifically formulated to provide superior resistance properties against both UV rays and high temperatures. They can be applied over conventional Metalshield® alkyd primers or Dulux® Protective Coatings two component epoxy primers.

Metalshield® Premium UV Resistant Enamel Topcoat is a silicone modified alkyd enamel that provides excellent weathering properties and increased productivity when compared to standard silicone alkyd enamels and long oil alkyds.

### Features:

- Silicone Copolymer Gloss Enamel
- Excellent gloss retention and chalking resistance
- Resists dirt pick up on external structures
- Improved drying characteristics
- High gloss finish
- Extensive colour range using Colorfast® Tint System
- Excellent application properties



## Metalshield Premium Aluminium

Metalshield® Premium Aluminium offers a metallic finish with maximum brilliance and heat reflective properties making it ideal for applications requiring temperature control and a decorative/metallic finish.

### Features:

- Heat Resistant Aluminium Enamel
- Metallic flake containing
- Maximum brilliance and heat reflective properties
- Good moisture resistance
- Withstands high temperatures
- Applied over conventional Metalshield® alkyd primers or 2 pack epoxy primers



## Metalshield Epoxy Enamel

An anti-corrosive topcoat that is ideal for protecting metal surfaces from rust and corrosion. No primer is required for bare steel, wrought iron and pre-painted metal.

### Features:

- Excellent durability
- Available in flat, satin and gloss finishes
- Can be applied over Metalshield® primers
- Extensive colour range, using Dulux Authentic Colour® tint system
- Touch up spray packs available in select colours



## Metalshield Rust Defence Topcoat

A high performance water-based topcoat designed for the protection of suitably prepared surfaces. It is hard wearing and has a recoat time of 1 hour.

### Features:

- Gloss or satin finish
- Rapid dry and recoat times
- Single pack, easy to use
- Extensive colour range, using Dulux Authentic Colour® tint system
- Water based



## Metalshield QD Enamel

Metalshield® QD Enamel is ideal as a coating for steel in mild and commercial environments. The preferred coating where a fast dry, easy repair and recoat finish is required.

### Features:

- High Gloss Finish
- Rapid dry and recoat times
- Extensive colour range using Colorfast® Tint System
- Touch up spray packs available in select colours

# Metalshield Primers

---

## Metalshield Etch Primer

A ready-for-use rapid dry etch primer for shop or site application over suitably prepared metal substrates, ready to overcoat in only 10 minutes at 25°C.

Metalshield® Etch Primer is ideal where high adhesion, fast turn around and single pack convenience are required.



### Features:

- Rapid dry and fast recoat
- Ready for use
- Excellent adhesion to a variety of ferrous and non-ferrous metal surfaces
- Non-toxic corrosion inhibiting pigmentation
- Available in Light Grey, Medium Grey and Black

---

## Metalshield All Surface Primer

A single pack, fast drying, zinc phosphate primer. The anti-corrosive primer provides superior adhesion properties making it the preferred primer for paint systems in mild corrosive environments



### Features:

- Fast Drying
- Contains high levels of zinc phosphate
- Non-toxic corrosion inhibiting pigmentation
- Excellent adhesion to a variety of ferrous and non-ferrous metal surfaces

---

## Metalshield QD Primer

An anti-corrosive shop or field primer used for the protection of steel in mild industrial and commercial environments. The rapid dry formulation of Metalshield® QD Primer is ideal where fast turn-around is required.



### Features:

- General purpose alkyd primer
- Fast application and drying
- Same day recoat
- Contains anti-corrosive pigmentation
- Flat finish
- Available in Red Oxide, Grey and Black

---

## Metalshield HB ZP Primer

An anti-corrosive shop or field primer used for the protection of steel in mild industrial and commercial environments.

Metalshield® High Build ZP Primer is high build compared with other single pack primers, and contains zinc phosphate for protection against corrosion.



### Features:

- Low sheen finish which can be topcoated
- Higher builds achievable for greater protection
- Excellent corrosion resistance and long term durability
- Available in Red Oxide, Grey and Blue
- Touch-up spray packs available (Metalshield® Steel Primer)

---

## Metalshield Cold Galv Primer

For sacrificial protection directly applied to clean, mild steel and the repair of galvanised surfaces.



### Features:

- Zinc rich anti-corrosive coating
- Fast drying
- Surface tolerant
- Offers excellent long term durability
- Can be applied to any ferrous metal
- Touch-up spray packs available



# Metalshield Spray Packs

## Metalshield Zinc Galv

An anti-corrosive coating for protection against rust and corrosion. Its zinc-rich formulation forms a sacrificial barrier against corrosion.



### Features:

- Use on mild steel and galvanised steel
- Touch-up application of Metalshield® Cold Galv Primer
- Repair of damaged galvanised steel and wrought iron balustrades and railings

## Metalshield QD Enamel

Metalshield® QD Enamel is ideal as a coating for steel in mild and commercial environments. The preferred coating where a fast dry, easy repair and recoat finish is required.



### Features:

- Available in a range of popular Australian Standard pipe identification and safety colours
- Touch-up application of selected Metalshield® QD Enamel colours
- High Gloss finish
- Rapid dry and recoat

## Metalshield Steel Primer

An anti corrosive steel primer with excellent durability and adhesion.



### Features:

- Available in Red Oxide, Grey and Blue
- Touch-up application of Metalshield® High Build ZP Primer
- Shop or field primer for structural steel

## Metalshield Etch Primer

A rapid drying metal primer that etches the surface for optimal topcoat performance.



### Features:

- Touch-up application of Metalshield® Etch Primer
- Shop or site primer for mild steel and non-ferrous metals such as Aluminium, Chrome, Copper, Brass, Stainless Steel and other Metal Alloys
- Available in Light Grey, Medium Grey and Black

## Metalshield Epoxy Enamel

Anti-corrosive topcoat that is ideal for protecting metal surfaces from rust and corrosion.



### Features:

- Touch-up application of Metalshield® Epoxy Enamel
- No primer required for new bare steel, wrought iron or pre-painted metal
- Long lasting colour
- Pre tinted colours in High gloss, plus White and Black in both Satin and Flat

## Metalshield Multi Purpose

Can be applied to a range of metal and pre-painted surfaces.



### Features:

- Convenient for touch up applications
- Semi gloss finish
- Ideal for galvanised iron and zincalume

# Metalshield Thinners

---



## Metalshield Brush Thinner

Metalshield® Brush Thinner is designed to be used with a selection of Metalshield® topcoats.

Metalshield® Brush Thinner can be used to aid surface preparation, to increase workability and to clean up equipment.

### Features:

- Slow evaporating for increased workability
- Cleaning and degreasing ferrous and non-ferrous substrates
- For brushing and clean up of recommended Metalshield® products



## Metalshield Spray Thinner

Suitable for use as a thinner and for equipment clean up for a selection of Metalshield® products.

### Features:

- Fast evaporating
- Cleaning and degreasing ferrous and non-ferrous substrates
- For spraying and clean up of recommended Metalshield® products



## Metalshield Etch Primer Thinner

Specifically formulated for compatibility with the Metalshield® Etch Primer.

### Features:

- Controlled evaporation
- Cleaning and degreasing ferrous and non-ferrous substrates
- For application and clean up of recommended Metalshield® products



## Metalshield Cold Galv Thinner

Dulux Metalshield® Cold Galv Thinner is specially formulated to be used with Metalshield® Cold Galv to increase workability and ease application. Also suitable for surface preparation and cleaning.

### Features:

- Aids application and smooths coating appearance
- Suitable for surface preparation and cleaning
- For application and clean up of Metalshield® Cold Galv Primer

## Australia

T 13 23 77

## New Zealand

T 0800 800 424

® Dulux, Worth Doing, Worth Dulux, World of Colour, Dulux Authentic Colour, Colorfast, Precision and Metalshield are registered trade marks of DuluxGroup (Australia) Pty Ltd.

® Colorbond is a registered trade mark of BlueScope Steel Limited.

™ Rust Defence is a trade mark of DuluxGroup (Australia) Pty Ltd.

DuluxGroup (Australia) Pty Ltd (ABN 67 000 049 427)  
1956 Dandenong Road, Clayton, 3168, Australia

DuluxGroup (New Zealand) Pty Ltd (ABN 55 133 404 118)  
150 Hutt Park Road, Lower Hutt, 5010 New Zealand



[www.duluxprotectivecoatings.com.au](http://www.duluxprotectivecoatings.com.au)

Any advice, recommendation, information, assistance or service provided by Dulux Australia in relation to goods manufactured by it or their use and application is given in good faith and is believed by Dulux to be appropriate and reliable at the time of publication. However, any advice, recommendation, information, assistance or service provided by Dulux is provided without liability or responsibility PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon Dulux by any condition or warranty implied by Commonwealth, State or Territory Act or ordinance void or prohibiting such exclusion limitation or modification. Products can be expected to perform as indicated in this sheet so long as applications and application procedures are as recommended. Specific advice should be sought from Dulux for application in highly corrosive areas and for large projects to ensure proper performance.