

NZDU03763 Dulux Weathershield Low Sheen on Painted Plastic [Exterior]

Scope of Works

DULUX Weathershield X10 Low Sheen Acrylic is a 100% acrylic self priming paint for exterior use. Its unique MaxiFlex Stretch Technology gives a tough flexible finish, for long life protection from the extremes of weather.

Substrate and Substrate Preparation

Substrate Notes

PLASTIC

Painting of some plastics such as polyethylene, polypropylene, fluorinated plastics, plasticised PVC (vinyls) is not practicable without specialised surface treatments or factory methods. Other plastics such as rigid (unplasticised) PVC, polyurethanes, polystyrene, polyesters, acrylics, phenol formaldehyde plastics can be painted after removal of surface contaminants and preparation with correctly selected systems. It is therefore important to identify (and specify) plastics with these painting difficulties in mind.

PVC

Polyvinyl chloride is a colourless thermoplastic resin (usually pigmented) with good resistance to acids, alkalis and water. It is widely used in the building industry for fixtures and fittings.

Substrate Preparation Notes

ASSESS SUITABILITY

Inspect to determine the degree of deterioration of existing coatings and substrate. Identification of the existing coating is also very helpful in determining the repaint system. Check coating adhesion using the cross-cut adhesion test, carried out in various locations.

REMOVE SURFACE CONTAMINANTS

Remove all surface contamination such as oil, grease or dirt by alkaline detergent solution wash, such as Dulux Prep Wash, using stiff bristle brush if necessary, and rinse with fresh potable water. Repeat until the surface is clean. Alternatively, the surface can be cleaned by water blasting. A clean surface is indicated when the rinsing water wets out the surface instead of beading on the surface.

REPAIR SURFACE IMPERFECTIONS

Prepare all areas that have poor adhesion, are cracking, peeling and flaking by sanding, power sanding, scraping, wire brushing or burning off as appropriate. Feather edges of the surrounding sound paint to completely remove visual ridges and wash / dust off to remove debris. Any major design faults leading to structural failure must be corrected prior to repainting.

SANDING






Sand the entire cleaned coating to an even flat gloss level to provide a smooth, even surface and to provide a good key for the new coating system to adhere to. Abrade any bare PVC areas with nylon pad, steelwool or fine (P800) wet and dry sandpaper. Ensure all sanding dust is removed prior to continuing.

PRIME

Spot prime any bare areas with a suitable primer.

Coating System Summary

- | | |
|---------------|-------------------------------------------------------|
| • 1st Coat | Dulux PREP WASH |
| • Spot Primer | Dulux 1 Step Prep Water Based Primer Sealer Undercoat |
| • 2nd Coat | Dulux Weathershield Low Sheen |
| • 3rd Coat | Dulux Weathershield Low Sheen |

| Coating System | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------|-------------------|
| 1st Coat — Dulux PREP WASH | | | |
| Coat Type 1st Coat | Datasheet NZDU00398 Dulux PREP WASH | | |
| Read the full Datasheet details at Dulux PREP WASH | | | |
| Application Methods | | | |
| <div>  Brush </div> | | | |
| Broom Garden sprayer | | | |
| Theoretical Spread Rate (m ² /L) | Min 6 | Max 12 | Recommended |
| Recoat Time ** | n/a | n/a | n/a |
| Meets ECNZ V.O.C. Requirements? Not Applicable | | | |
| Coating Application Details Apply by broom or brush. Or by garden sprayer. 1. Add one part Dulux Prep Wash concentrate to one part water in a clean plastic bucket and mix well. 2. Test on a small inconspicuous area at recommended dilution to determine effectiveness and strength required. 3. Apply diluted Dulux Prep Wash solution to walls/roof/trim with a broom/brush or garden sprayer. Leave the solution on the surface until mould and mildew stains disappear or soften (approximately 10 minutes), avoiding allowing the solution to dry out. Scrub vigorously. 4. Rinse off the surface with water using a high pressure or garden hose and allow surface to dry. Surface may be slippery while wet (roof). Stubborn stains may require longer time, more vigorous scrubbing, or additional treatment. Severely stained surfaces may need a power washer, or treatment with undiluted Dulux Prep Wash concentrate. | | | |
| SDS Number 000000022880 | | SDS Link View SDS Link | |
| Spot Primer — Dulux 1 Step Prep Water Based Primer Sealer Undercoat | | | |
| Coat Type Spot Primer | Datasheet NZDU00432 Dulux 1 Step Prep Water Based Primer Sealer Undercoat | | |
| Read the full Datasheet details at Dulux 1 Step Prep Water Based Primer Sealer Undercoat | | | |
| Application Methods | | | |
| <div>  Air Spray  Airless Spray  Brush  Roller </div> | | | |
| Theoretical Spread Rate (m ² /L) | Min | Max | Recommended 14 |
| Wet Film Per Coat (microns) | | | 71 |
| Dry Film Per Coat (microns) | | | 31 |
| Recoat Time ** | 2 Hours | | |
| V.O.C. Level < 40g/L untinted | | Meets ECNZ V.O.C. Requirements? Not Applicable | |
| Coating Application Details | | | |

Brush, roller, conventional or airless spray.

ROLLER: Using a medium nap roller apply a full even coat direct from the container and finish by light parallel strokes with a dry roller.

Stir contents thoroughly before and during use.

AIRLESS/CONVENTIONAL SPRAY: Suitable for application by all standard spray equipment. If necessary thin with up to 100ml per litre of water to aid atomisation.

BRUSH: Wet brushes with water prior to use to avoid clogging. Apply a full even coat direct from the container.

When painting exterior surfaces, ensure topcoat is applied no more than one week after application.

SDS Number
DLXNZLEN002997

SDS Link
[View SDS Link](#)

2nd Coat — Dulux Weathershield Low Sheen

Coat Type
2nd Coat

Datasheet
NZDU00231 Dulux Weathershield Low Sheen

Read the full Datasheet details at [Dulux Weathershield Low Sheen](#)

Application Methods



Air Spray



Airless Spray



Brush



Roller

| | Min | Max | Recommended |
|---------------------------------------------|----------------|-------------------|-------------|
| Theoretical Spread Rate (m ² /L) | 16 | 16 | 16 |
| Wet Film Per Coat (microns) | 63 | 63 | 63 |
| Dry Film Per Coat (microns) | 24 | 24 | 24 |
| Recoat Time ** | 2 Hours | Indefinite | |

V.O.C. Level
<45 g/L untinted

Meets ECNZ V.O.C. Requirements?

Yes

Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.

Coating Application Details

Brush, roller, conventional and airless spray

Within 1km of sea for Galvanised iron, Zinalume

Apply one coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield. Preparation/coating system can vary depending on the quality and conditions of pre-primed timber/fibre cement, Colorbond® & colorsteel® and tilt-up & precast concrete surfaces. For help and advice, please call Dulux Help & Advice on 0800 800 424 for specific guidance. Some colours may require more than the recommended number of coats to achieve full opacity. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), when painting over contrasting colour, apply 1 coat of Dulux 1Step prepcoat.

Steel/wrought iron

Apply 2 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

Bare surfaces including brick, masonry, fibre cement, Zinalume

Apply 3 coats of Weathershield.

Galvanised iron

Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

For Zinalume/galvanised iron roofs

Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

Bare unpainted timber

Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), for improved resistance to cracking on hardwoods (eg Mt Ash, Oak), apply a coat of Dulux 1Step Prep-coat prior to the application of two topcoats of Weathershield. Professional Painters refer to Duspec Specification Sheets to qualify for guarantee. Check the weather forecast. Do not paint on excessively cold or humid days. Exposure to rain or overnight dew whilst drying may result in the coating being damaged or removed. If painting during the hottest time of the day, cool the surface by hosing before painting and paint on the shady side of the house. Stir contents thoroughly before and during use with a broad flat stirrer, using an upward lifting action.

Brush/roller

Soak brush or roller in water before starting and use while still slightly damp. Thinning is usually not required.

Airless or conventional spray

Suitable for application by all standard spray equipment. Apply wet even coats. If necessary thin with up to 100 ml/litre water to aid atomisation. Under hot or very windy conditions, up to 100 ml/litre of Dulux Hot Weather Thinner may be added to ease application. On previously painted surfaces, apply 2 coats of Weathershield.

SDS Number
DLXNZLEN003376

SDS Link
[View SDS Link](#)

3rd Coat — Dulux Weathershield Low Sheen

Coat Type
3rd Coat

Datasheet
NZDU00231 Dulux Weathershield Low Sheen

Read the full Datasheet details at [Dulux Weathershield Low Sheen](#)

Application Methods



Air Spray



Airless Spray



Brush



Roller

| | Min | Max | Recommended |
|---------------------------------------------|----------------|-------------------|-------------|
| Theoretical Spread Rate (m ² /L) | 16 | 16 | 16 |
| Wet Film Per Coat (microns) | 63 | 63 | 63 |
| Dry Film Per Coat (microns) | 24 | 24 | 24 |
| Recoat Time ** | 2 Hours | Indefinite | |

V.O.C. Level
<45 g/L untinted

Meets ECNZ V.O.C. Requirements?
Yes

Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.

Coating Application Details

Brush, roller, conventional and airless spray

Within 1km of sea for Galvanised iron, Zincalume

Apply one coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield. Preparation/coating system can vary depending on the quality and conditions of pre-primed timber/fibre cement, Colorbond® & colorsteel® and tilt-up & precast concrete surfaces. For help and advice, please call Dulux Help & Advice on 0800 800 424 for specific guidance. Some colours may require more than the recommended number of coats to achieve full opacity. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), when painting over contrasting colour, apply 1 coat of Dulux 1Step prepcoat.

Steel/wrought iron

Apply 2 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

Bare surfaces including brick, masonry, fibre cement, Zincalume

Apply 3 coats of Weathershield.

Galvanised iron

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For Zincalume/galvanised iron roofs

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Bare unpainted timber

Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), for improved resistance to cracking on hardwoods (eg Mt Ash, Oak), apply a coat of Dulux 1Step Prep-coat prior to the application of two topcoats of Weathershield. Professional Painters refer to Duspec Specification Sheets to qualify for guarantee. Check the weather forecast. Do not paint on excessively cold or humid days. Exposure to rain or overnight dew whilst drying may result in the coating being damaged or removed. If painting during the hottest time of the day, cool the surface by hosing before painting and paint on the shady side of the house. Stir contents thoroughly before and during use with a broad flat stirrer, using an upward lifting action.

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Coating System Notes

* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. ** Recoat times are quotes for 25°C and 50% relative humidity, these may vary under different conditions.

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The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

Where any liability of Dulux in respect of this Specification cannot by law be excluded, Dulux's liability is limited, as permitted by law and at Dulux's option, to resupply of the relevant products or services or to reimbursing the cost of those products or services.

WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS/ NZS 4361 Parts 1 and 2 and Worksafe Australia or New Zealand guidelines.