

NZDU02147 Dulux Weathershield Semi Gloss on New Plastic [Exterior]

Scope of Works

DULUX Weathershield X10 Semi Gloss 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

REMOVE SURFACE CONTAMINANTS

Plastic surfaces should be wiped down with solvent and clean cloth to remove grease, dirt and other contaminants. Test an inconspicuous area with the selected solvent before cleaning to determine the plastics solvent sensitivity. For solvent sensitive plastics (ABS, polycarbonate, polystyrene, PVC) thoroughly clean with methylated spirits, isopropanol, or warm water and detergent. For non-solvent sensitive and thermoset plastics (polyester, phenol/formaldehydes, polyurethane, polypropylene, polyethylene, etc) thoroughly clean with suitable solvent (mineral turpentine or white spirit).

ABRADE









To aid adhesion, abrade 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 1 Step Prep Water Based Primer Sealer Undercoat |
| • 2nd Coat | Dulux Weathershield Semi Gloss |
| • 3rd Coat | Dulux Weathershield Semi Gloss |

Coating System			
1st Coat — Dulux 1 Step Prep Water Based Primer Sealer Undercoat			
Coat Type 1st Coat	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			
 Air Spray  Airless Spray  Brush  Roller			
	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	<input type="text"/>	<input type="text"/>	14
Wet Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	71
Dry Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	31
Recoat Time **	2 Hours	<input type="text"/>	<input type="text"/>
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 Semi Gloss			
Coat Type 2nd Coat	Datasheet NZDU00242 Dulux Weathershield Semi Gloss		
Read the full Datasheet details at Dulux Weathershield Semi Gloss			
Application Methods			
 Air Spray  Airless Spray  Brush  Roller			
	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	16	16	16
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	25	25	25
Recoat Time **	2 Hours	Indefinite	<input type="text"/>
V.O.C. Level < 60 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. 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. 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 prep-coat.

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. 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.

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

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 Zincalume/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 Prepcoat prior to the application of two topcoats of Weathershield. Professional Painters refer to Duspec Specification Sheets to qualify for guarantee.

SDS Number
DLXNZLEN003378

SDS Link
[View SDS Link](#)

3rd Coat — Dulux Weathershield Semi Gloss

Coat Type
3rd Coat

Datasheet
NZDU00242 Dulux Weathershield Semi Gloss

Read the full Datasheet details at [Dulux Weathershield Semi Gloss](#)

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)	25	25	25
Recoat Time **	2 Hours	Indefinite	
V.O.C. Level < 60 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. 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. 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 prep-coat. 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. 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. 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 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 Zincalume/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 Prepcoat prior to the application of two topcoats of Weathershield. Professional Painters refer to Duspec Specification Sheets to qualify for guarantee.			
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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.