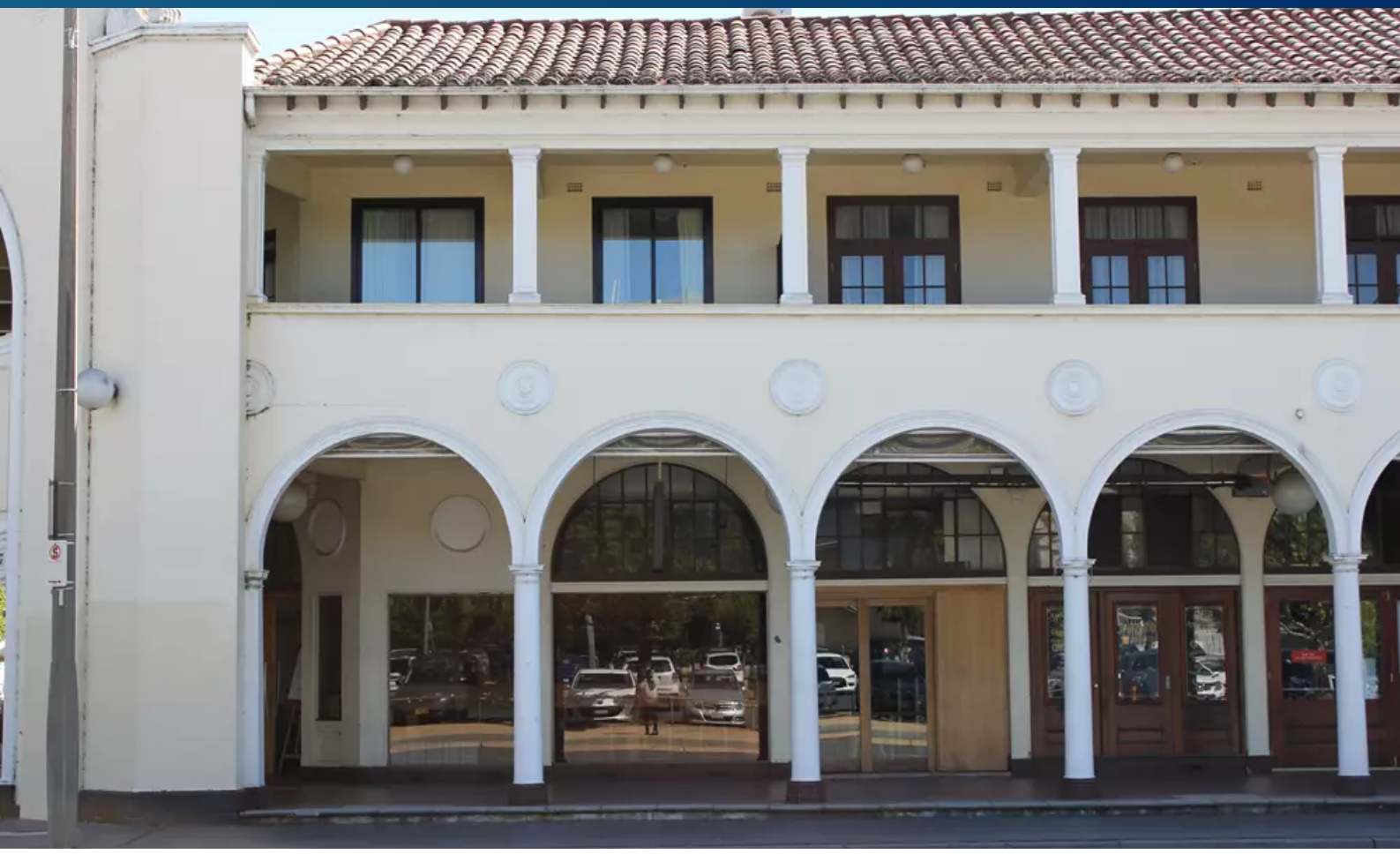
Dulux DuSpec+
CONSTRUCTION SOLUTIONS

Sydney and Melbourne Buildings Canberra

Project ID: AU49214
Segment: Heritage
Prepared by: Joshua Campbell



Brands used in this Project

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Background

Site Address

Northbourne Avenue, Alinga Street, East Row, West Row and London Circuit Canberra ACT

Client Details

Client Organisation

Philip Leeson Architects

Client Name

Katrina Keller

Client Phone Number

02 6295 3311

Client Organisation Address

Unit 4, 9 McKay Street, Turner ACT 2612

Client Email Address

katrina@philipleeson.com.au

Project Description

The project intends to reintroduce a consistent finish, across different substrates.

This scope of works along with the project Duspec and associated Data Sheets plus Australian Standards 2311 and 2312 provide the necessary details which should be read and understood for surface preparation and made good prior to commencing the coating systems.

All materials, components and construction methods shall comply with the relevant documents and standards to which concern the work carried out under this section.
- AS/NZS 2311:2000 Guide to the Painting of Buildings.
- AS/NZS 2312:2002/Amdt 1:2004 – Guide to protection of Steel.
- Dulux Technical Data Sheets.

These should be read and understood for surface preparation and make good prior to commencing the coating systems.

Notes And External Links

Site Sampling
For external texture coatings or concrete coatings it is recommended that the contractor provide site-specific samples to confirm acceptance prior to commencement. Such samples need to be representative in area and in a light situation that represents the most difficult final appearance.

Lead Warning
Any building built prior to 1985 may have lead based paint used on it either in wall/ceiling cladding or roofing or on existing painted surfaces. Dulux recommends Paint Stripping system such as Dulux Precision Coatings Remover Restoration Coatings Remover (Red). Please ensure that all precautions are taken and that the surface is not opened to the external environment. Lead tests are available to determine if lead is present. Dulux also recommends using the Dulux Precision Test Patch Kit for determining best paint stripping system Refer to the Master Painters Association or BSA for information to be deal with these substrates. Encapsulation removal is recommended and proper disposal is required.

Lead Paint
SPECIAL NOTE: due to the age of the building it is possible that Lead Paint could be evident in the old coatings. It is strongly recommended to test for Lead on the timber windows and masonry walls prior to any preparation as sanding or power blasting/washing may not be suitable to contain the lead paint flakes form the environment and public surrounds. If lead is present, refer to the Australian Standards for the treatment & removal of lead paint. AS4361.2-1986 Lead Paint Management - Residential & Commercial Buildings.
Existing aged enamel coatings should be prepared with due care. It is possible that any aged enamel coating may contain lead. Refer to AS 4361.2 - 1986 Lead Paint Management - Residential and Commercial Buildings.
Testing should be undertaken in multiple areas of the building pre and post stripping to ensure that the appropriate safety and working processes are put in place to ensure no lead particulate becomes airborne.

Asbestos Treatment
SPECIAL NOTE: Asbestos has been identified on the eaves and other areas with FC Sheeting and sanding is not recommended in these areas. Any loose flaky paint should be removed with due care and in full Personal Protective Equipment (PPE). Notification should be given to the home owners in the vicinity of the area which is being prepared and barricades and signage clearly visible in the work site area. Disposal of any discarded paint flakes should be done with due care and disposed of at a registered disposal site. For further information refer to the following website. www.asbestos.nsw.gov
Version 1.0 of Project AU45257 approved on Monday, 13 November 2023 22:23:42 PM (UTC) Page 5 of 22
Any large scale sheet removal must be removed by a qualified and registered asbestos licensed removalist.

Dulux Precision Coatings Remover
Every coatings removal project is different. To ensure that you have the correct product for your project it is essential to perform a test patch on all coatings that are to be removed. There are a multitude of different coatings and they all react differently to chemicals applied to them.
A Dulux Precision Test kit containing different coating remover products should be used to determine the most suitable product to obtain the best results onsite. Products are capable of removing coatings from Timber, Brick, Metal, Stone, Set plaster, Glass, Plywood, Granite, Fibreglass, Cast Iron and Marble substrates.
Using the appropriate test matrix of products, and dwell times (24, 48,72 hours test sections for each) will give the best data for successful paint removal.
Sometimes on older buildings, multiple stripping products may be needed in succession depending on the archaeology of the layers of the previous coatings.
Please follow the recommendations given by the following link https://www.dulux.com.au/applicator/technical-advice/application/how-to-use-the Dulux-precision-test-patch-kit/
Some previous inorganic coatings may be underneath as a base layer considering the age of the building, so factoring in removal via mechanical and abrasive methods are necessary.

Warranties:
Can be obtained for product performance. Substrates that cause the coating system to fail will not be part of any warranty. Substrates should be agreed between the head contractor and the painting contractor prior to the commencement of painting. This agreed substrate condition could affect warranties and aesthetics of the painting systems. Also, the Duspecs are to be followed in relation to surface preparation including standard professional expectations, plus the number and sequence of coats along with film builds requested to ensure an accountable coating system.

This specification has been created based off the information obtained from the client and should be read as suggested recommendations only for proposed substrates within the information obtained in the schedule documentation. The specifier should be contacted and consulted to
review said items and confirm most update project information before putting forward for painting packages.

This specification is put forward in good faith that all possible substrate situations and coating systems are true and correct. However, once work commences possible new situations may be encountered for which an addition or change to the specification becomes warranted. This document
remains active and as such any changes can and should be reflected alone with a notation of any change in the scope of works.
This specification is valid for 6 months from the date of publication. Use of the specification after this period should carry a further validity check by Dulux.

Only exception when the project has already started inside the 6 month period in which case the time frame will be, till practical completion.

Schedule

Area — Exterior Painted Masonry Surfaces

Item: **Painted Masonry Surfaces**

Colour/ Code: Always check the current schedule.

Specification				Version
AUDU06300	Dulux Emer-Clad Facade Matt on Painted Lead based surface [Exterior]			**1.0**
	Primer	AUDU00108	AUDU00108 Dulux Precision High Opacity Stain Blocker	5.0
	1st Coat	AUEM00001	AUEM00001 EMER Emer-Clad Facade Matt	10.0
	2nd Coat	AUEM00001	AUEM00001 EMER Emer-Clad Facade Matt	10.0

Area — Exterior Painted Timber Trims under soffits

Item: **Painted Timber Trims**

Colour/ Code: Always check the current schedule.

Specification				Version
AUDU06026	Dulux Weathershield Low Sheen on Painted Timber trim [Exterior]			**1.0**
	Primer	AUDU00108	AUDU00108 Dulux Precision High Opacity Stain Blocker	5.0
	1st Coat	AUDU00073	AUDU00073 Dulux Weathershield Low Sheen	43.0
	2nd Coat	AUDU00073	AUDU00073 Dulux Weathershield Low Sheen	43.0

Area — Exterior Painted Galvanised Gutters

Item: **Painted Galvanised Gutters**

Colour/ Code: Always check the current schedule.

Specification				Version
AUDU05828	Dulux Weathershield Semi Gloss / Painted on Previously Coated Zincalume® [Exterior]			**1.0**
	Spot Primer	AUDU00123	AUDU00123 Dulux Precision All Metal Primer	7.0
	Primer	AUDU00119	AUDU00119 Dulux Precision Maximum Strength Adhesion Primer	8.0
	1st Coat	AUDU00084	AUDU00084 Dulux Weathershield Semi Gloss	25.0
	2nd Coat	AUDU00084	AUDU00084 Dulux Weathershield Semi Gloss	25.0

Area — Exterior New PVC Pipees

Item: **New PVC Pipees**

Colour/ Code: Always check the current schedule.

Specification				Version
AUDU04429	Dulux Weathershield Semi Gloss painted over Precision Maximum Adhesion Primer on New Polyvinyl chloride (PVC) [Exterior]			**1.0**
	Primer	AUDU00119	AUDU00119 Dulux Precision Maximum Strength Adhesion Primer	7.0
	1st Coat	AUDU00084	AUDU00084 Dulux Weathershield Semi Gloss	25.0
	2nd Coat	AUDU00084	AUDU00084 Dulux Weathershield Semi Gloss	25.0

Maintenance Notes

View the Example Maintenance Manual. For your own Maintenance Manual please contact your DuluxGroup representative.

Legals

SPECIFICATION

1. INTRODUCTION

In this Specification:
"Applicator" means the person applying the product.
"Contractor" means the person(s) to whom the Applicator is contracted to for the application of the product.
"DuluxGroup" means DuluxGroup (Australia) Pty Ltd.
"DuluxGroup Products" means the DuluxGroup products specified in Schedule A.
"Project" means the building or other construction specified in Schedule A.
"Specification" means this specification and all schedules to it.
"Superintendent" means a nominated representative of Contractor.
All DuluxGroup products must be treated and applied strictly in accordance with the instructions and procedures set out in this Specification.

2. GENERAL

DuluxGroup Products must only be applied in accordance with this Specification. Unless otherwise specified or approved, all materials used in the Project must be DuluxGroup Products as nominated in Schedule A. All DuluxGroup Products must be delivered to the job in unbroken containers bearing the brand name and name of the manufacturer and must be subject to inspection and approval by the Superintendent.
This Specification shall remain current for a period of 6 months commencing on the date it is provided by DuluxGroup to the Contractor.
Various Australian Standards and New Zealand Standards may be referred to in this specification. Where referred to in this document, these standards and any relevant DuluxGroup Specification Sheets, Product Data Sheets and Material Safety Data Sheets form part of this Specification.

3. CONTRACTOR'S RESPONSIBILITIES

The Contractor must:

a. ensure that the Applicator implements the appropriate quality assurance system for the preparation, application of DuluxGroup Products, curing, handling, storage and protection of components of DuluxGroup Products. Such quality assurance system shall comply as a minimum with Handbook 90.3 of The Construction Industry Guide to AS/NZS ISO 9001:2000;

b. ensure that he and anyone else using or relying on the Specification has read and understood the Specification fully. If there is any conflict or discrepancy between these Conditions of Specification and the Schedules to the Specification, the Schedules will prevail;

c. carry out examination of the work of the Applicator. Hold points for inspection must be established between the Contractor's inspector and the Applicator before commencing work. The inspector will refer to this Specification and the Applicator's AS/NZS3894 records as the basis for inspection. Personnel authorised by DuluxGroup must be permitted to inspect such records upon request;

d. ensure that personnel authorised by DuluxGroup have access to the site at all reasonable times as required by DuluxGroup and upon reasonable notice to the Contractor to inspect the place(s) of application of DuluxGroup Products from time to time. Such inspections will not be deemed to be acceptance by DuluxGroup of the standard of the Applicator's workmanship, performance or quality control procedures or of compliance with any product specifications or of the terms of this Specification; and

e. ensure that safe work practices are adopted at all times in respect of the Project in accordance with all applicable legislation, including, without limitation, AS/NZS1336, AS/NZS1337, AS/NZS1338, AS/NZS1715, AS/NZS1716, AS1269, AS1270 and AS2865.

4. APPLICATOR'S RESPONSIBILITIES

The Applicator must:

a. ensure that he and anyone else using or relying on the Specification has read and understood the Specification fully. If there is any conflict or discrepancy between these Conditions of Specification and the Schedules to the Specification, the Schedules will prevail;

b. prepare and neatly maintain proper records as required by the Specification and upon completion of the Applicator's work or at such time as may be directed by the Superintendent, must hand over the files containing such records to the Superintendent;

c. ensure all DuluxGroup Products to be used on the Project are stored in a single place and in a manner outlined in the relevant DuluxGroup Data Sheet (Refer Schedule C);

d. ensure all DuluxGroup Products with limited shelf life are used before their use-by date;

e. obtain all relevant Material Safety Data Sheets (MSDS) showing the health and safety precautions to be taken during application of DuluxGroup Products and implement those precautions;

f. prepare surfaces according to requirements of individual Specification Sheets and Product Data Sheets as set out under Schedules A, B & C;

g. ensure all DuluxGroup Products are applied properly in accordance with the preparation, application, testing and other requirements set out in Schedules A, B and C or otherwise notified by DuluxGroup from time to time including, without limitation, ensuring that all DuluxGroup Products are applied so as to produce a uniform coating free from film defects;

h. correct, to the satisfaction of the Superintendent or his authorised inspector and at the Applicator's expense, any work deemed by the Superintendent or his authorised inspector as not conforming to this Specification;

i. ensure all control joints are sealed after the coating system has been applied. If the joints are sealed/filled first, the coating shall not be applied over such sealed surfaces;

j. ensure consistent colour coverage. Adequate stocks of material should be delivered to site to complete a single elevation or specified area at one time. External durability of colour will be assessed as per AS2700. Various colours may not have warrantable external performance therefore the proposed Colour Schedule should be referred to DuluxGroup prior to application;

k. ensure that, unless otherwise nominated in the Product Data Sheets, DuluxGroup Products are not applied to damp or wet surfaces, nor in conditions below 10 degrees Celsius, nor when the temperature will fall below 10 degrees Celsius during the drying period, nor when the surface temperature is within 3 degrees Celsius of the dew point, nor when the surface temperature exceeds 30 degrees Celsius nor when there is a high degree of airborne dust in the atmosphere;

l. provide adequate protection to the coating against damage and exposure until fully cured. All portions of the work liable to be damaged are to be properly covered unless otherwise approved by DuluxGroup;

m. provide protection by masking all surfaces adjacent to the area being coated and removing this protection upon completion of the application. The Applicator is responsible for any loss or damage which may be caused to the property while the work is being carried out. The Applicator must provide and lay adequate dust sheets and protect floors and other surfaces, remove all surface hardware, switch plates, lighting fixtures, etc... before painting and replace in condition as found. DuluxGroup Products must not be applied in the presence of dust;

n. upon completion, remove all empty cans or other debris arising out of his work and dispose of all waste in accordance with regulations;

o. carry out any special mixing requirements, such as the correct selection and use of the nominated thinners and solvents or allowing an induction period for 2 pack products, as nominated in the Product Data Sheets;

p. inspect the substrata and ensure it is fit to receive the specified DuluxGroup Products, produce the specified finish and comply with the relevant documents and standards which specify minimum standards of substrata preparation and their tolerances. These include but are not restricted to the following:

AS/NZS2311: The Painting of Buildings
Section 2 - Design for Painting
Section 3 - Preparation of Unpainted Surfaces
Section 7 - Maintenance of Painted Surfaces
AS/NZS2312: Guide to the Protection of Iron and Steel Against Exterior Atmospheric Corrosion.
AS/NZ3740: Waterproofing of domestic wet areas
AS/NZ4654.2: Waterproofing membranes for external above-ground use Design and installation
Commencement of application of the coating to the substrata shall be deemed to mean that the Applicator has certified that the surface is fit for the receipt of the specified products. It is the responsibility of the Applicator at the time of preparing the sample reference area (see below) to advise the Superintendent if the substrata condition and preparation is not of sufficient standard to produce the specified finish;

q. provide sample areas, panels or plates of each of the coating systems. The areas must be large enough to show clearly the finish that will be achieved in terms of colour, gloss level and texture. The prepared samples will then be used as the standard for the work. Provision in all costing must be made to cover the cost of sample preparation. Sample areas must be approved before further work proceeds;

r. prepare and neatly maintain proper records, in accordance with AS/NZS3894, AS/NZS2311 & AS/NZS2312, showing details of application conditions and product use, and upon completion of the Applicator's work or at such other time as may be directed by the Superintendent, the Applicator shall hand over the files containing such records to the Superintendent. These records should include but not be limited to, application conditions, batch numbers and application data;

s. ensure that personnel authorised by DuluxGroup and the Contractor have access to the site at all reasonable times as required by DuluxGroup and upon reasonable notice to inspect the place(s) of application of DuluxGroup Products from time to time. Such inspections will not be deemed to be acceptance by DuluxGroup of the standard of the Applicator's workmanship, performance or quality control procedures or of compliance with any product specifications or of the terms of this Specification. The Applicator is responsible for advising the Superintendent's inspector in sufficient time to enable him to be present without unnecessary delay or hindrance to the progress of work. The absence of the Inspector does not absolve the Applicator from carrying out the task in a workmanlike manner; and

t. ensure that safe work practices are adopted at all times in respect of the Project in accordance with all applicable legislation, including, without limitation, AS/NZS1336, AS/NZS1337, AS/NZS1338, AS/NZS1715, AS/NZS1716, AS1269, AS1270 and AS2865.

5. DISCLAIMER

Any advice, recommendation, information, assistance or service provided by any of the divisions of DuluxGroup (Australia) Pty Ltd, DuluxGroup (New Zealand) Pty Ltd or their related entities (collectively, DuluxGroup) in relation to goods manufactured by it or their use and application is given in good faith and is believed by DuluxGroup to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by DuluxGroup 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 DuluxGroup by any condition or warranty implied by Commonwealth, State or Territory Act or ordinance void or prohibiting such exclusion limitation or modification. All information contained in this specification is as accurate and up to date as possible. Coating/product systems can be expected to perform as indicated in this specification, as long as preparation, applications and application procedures are followed as recommended on the appropriate Product data Sheet or otherwise. Should a "Performance Warranty" be required on this project, DuluxGroup must be contacted prior to finalisation of the Specification and at least one week before the commencement of work on the Project.

6. MATERIALS WARRANTY

DuluxGroup warrants to its customer that the DuluxGroup Products supplied as components of the product system(s) detailed in this Specification are of merchantable quality and fit for the purpose for which they are supplied when applied in accordance with the instructions for use. This warranty is limited and excludes all labour and other charges. To make a claim under the warranty, please contact Dulux Customer Service AUST 13 25 25, NZ 0800 800 424 and provide details of your claim. You must show proof of purchase and bear all expenses incurred in making a claim. The benefits of this warranty are in addition to other rights and remedies under any applicable law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Individual materials warranties for specifications are available upon request from DuluxGroup.

Dated: _____

Signed: _____

Name: _____

On behalf of DuluxGroup

Applicators Confirmation

The Applicator hereby confirms that the coating systems were applied to the Project in strict accordance with the instructions provided by or available from DuluxGroup including this Specification, and that the Applicator will be responsible for any loss or damage caused or contributed to by faulty application.

Signed: _____

Name: _____

On behalf of Applicator

Project History			
Version	**Date (UTC)**	**Who**	**Details**
0.2	Wednesday, 11 September 2024 03:36:43 AM	Joshua Campbell	Created

AUDU06300 Dulux Emer-Clad Facade Matt on Painted Lead based surface [Exterior]

Substrate and Substrate Preparation

Substrate Notes

White lead (lead carbonate) was once the principal white pigment in domestic and commercial paints. Australia ceased manufacture of domestic lead pigmented paint altogether by the late 1960s. Most of this paint was based on alkyd enamel resins. Lead-pigmented paint can be cleaned and encapsulated or overcoated in a lead-free coating system in strict accordance with all relevant sections of the Australian Standard™ 4361.2, Guide to Lead Paint Management Part 2, Residential and Commercial Buildings.

Overcoating is only an option if the existing paint is tightly adhering, is in generally sound condition and free from defects, such as peeling, flaking or delamination. Small, isolated areas of deterioration can be repaired for overcoating, but if the paint is breaking down, fresh paint cannot be expected to adhere to it. The preferred option for managing this lead hazard is to safely remove and encapsulate and should be considered; refer to relevant sections of the Australian Standard™ 4361.2. Monitoring and regular re-assessments, with appropriate maintenance, are a necessary part of managing lead paint by overcoating or encapsulation.

Substrate Preparation Notes

Check regulations
Before you start, you must obtain a current copy of the AUSTRALIAN STANDARD™ AS 4361.2, GUIDE TO LEAD PAINT MANAGEMENT PART 2 - RESIDENTIAL AND COMMERCIAL BUILDINGS. Read this document thoroughly and ensure that you understand every part of it.

Assess paint condition
Inspect to determine the degree of deterioration of existing coating. A decision must be made as to whether the existing coating is suitable for encapsulation or overcoating, or whether it must be removed. Refer to relevant sections of AS 4361.2.

Provide containment
Whether removing the existing coating entirely, or simply cleaning and abrading small sections of the coating, containment of the work must be carried out. Containment includes all procedures and systems that prevent dust and debris spreading beyond the immediate work area and must be carried out in accordance with relevant sections of AS 4361.2. Containment includes physical barriers to prevent travel of dust, the exclusion of occupants or the public from the work area, security of the work area and regular cleaning up and disposal of debris.

Clean surface
Remove grease, grime or dirt from surface of the lead-pigmented paint using sugar soap (tri-sodium phosphate) according to the manufacturer's directions. De-gloss surface, if necessary, by wet-sanding or by using a suitable de-glossing solution. Small areas of flaking and peeling paint will normally require rectification prior to stabilization.

Rectify such areas by wet scraping and wet sanding, on-site chemical stripping, off-site chemical stripping or removal by heat gun and scraper in strict accordance with AS 4361.2.

Prime
Prime entire surface with the primer nominated in the Coating System section of the specification without delay.

Coating System Summary

- Primer — Dulux Precision High Opacity Stain Blocker
- 1st Coat — EMER Emer-Clad Facade Matt
- 2nd Coat — EMER Emer-Clad Facade Matt

Coating System

Primer — Dulux Precision High Opacity Stain Blocker

Coat Type	Datasheet
Primer	**AUDU00108 Dulux Precision High Opacity Stain Blocker**

Read the full Datasheet details at Dulux Precision High Opacity Stain Blocker

Application Methods

Air Spray **Airless Spray** **Brush** **Roller**

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	8	12	12
Wet Film Per Coat (microns)	125	83	83
Dry Film Per Coat (microns)	60.5	40	40
Recoat Time **	90 minutes	indefinite	90 minutes

V.O.C. Level	Meets GBCA V.O.C. Requirements?
< 420g/l untinted	**No**

Coating Application Details

Brush Roller, conventional spray or airless spray application.
Stir thoroughly before and during use.
For Stainblocking applications do not tint or thin.

Apply one even coat of precision High Opacity Stain Blocker. For heavily stained surfaces and for paperfaced plasterboard where there is a different texture between the paper and jointing compound or where extra filling and smoothness is required, apply a second coat of precision High Opacity Stain Blocker.

For optimal coverage and smoothness, apply with:
Brush: High quality synthetic filament brush (Nylon or Polyester) Apply in full even coating direct from the container.
Roller: Medium nap synthetic roller (10-13mm on smooth surfaces or 13-18mm on semi-rough or porous surfaces) Apply in full even coating direct from the container.
Spray: Do not thin for stain blocking applications. Suitable for application by all standard spray equipment.

Clean Brushes and Rollers with Mineral Turpentine prior to and after use.

SDS Number	SDS Link
DLXGHSEN001194	**View SDS Link**
For detailed information refer to the product label and the current material safety data sheet available through customer service.	
Australia : 13 25 25	
New Zealand: 0800 800 424	

1st Coat — EMER Emer-Clad Facade Matt

Coat Type	Datasheet
1st Coat	**AUEM00001 EMER Emer-Clad Facade Matt**

Read the full Datasheet details at EMER Emer-Clad Facade Matt

Application Methods

Airless Spray | Brush | Roller

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	4	3	4
Wet Film Per Coat (microns)	250	330	250
Dry Film Per Coat (microns)	132	175	132
Recoat Time **	2 hours	Indefinite	

V.O.C. Level	Meets GBCA V.O.C. Requirements?
59.4 g/litre	**Not Applicable**

Coating Application Details

Apply Emer-Clad Facade by brush, roller or airless spray to the previously primed surface.
Previously primed and prepared surface: Apply 2 coats of Emer-Clad Facade protective coating at 4 m2 per litre per coat (250 microns wet film thickness) to achieve a total dry film thickness of not less than 250 microns.

First coat to be Emer-Clad Facade Matt. Final Coat to be Emer-Clad Facade Satin or Matt (Satin exhibits better self-cleaning properties).
To visually facilitate coverage and ensure adequate film build, different colours may be used for each coat of Emer-Clad Facade.

When applying Emer-Clad Facade to smooth surfaces a 12mm nap roller is recommended and on rougher more textured surfaces a 20mm nap roller should be used. It is important to deliver the correct amount of material to the surface as overspreading can cause the coating to dry faster and cause lap marks.

To create a textured profiled surface, Emer-Clad Facade can be applied using a medium texture roller on the first coat and finished using a nap roller on the second coat. A textured profile finish will consume more material.

Spray Application
When being applied to well prepared surfaces (no blow holes) it is possible to spray apply the Emer-Clad Facade in a single coat to achieve the 250 micron dry film thickness (500 micron wet film thickness). This can be a substantial time saving on a project. Suitable equipment includes Graco 795 or Graco 1095 airless running at 3000 psi and utilising 19 thou or 21 thou spray tips.

SDS Number	SDS Link
PARGHSEN000193	**View SDS Link**

2nd Coat — EMER Emer-Clad Facade Matt

Coat Type	Datasheet
2nd Coat	**AUEM00001 EMER Emer-Clad Facade Matt**

Read the full Datasheet details at EMER Emer-Clad Facade Matt

Application Methods

Airless Spray | Brush | Roller

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	4	3	4
Wet Film Per Coat (microns)	250	330	250
Dry Film Per Coat (microns)	132	175	132
Recoat Time **	2 hours	Indefinite	

V.O.C. Level	Meets GBCA V.O.C. Requirements?
59.4 g/litre	**Not Applicable**

Coating Application Details

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SDS Number	SDS Link
PARGHSEN000193	**View SDS Link**

Comments

Comments

* 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.
* Do not apply at temperatures below 10°C, or when temperature may fall below 10°C during the drying period.
* Do not apply any materials during damp or rainy conditions or where there is likelihood of rain.
Temperatures above 30°C reduce the wet edge time and, as with other water based coatings, may increase the risk of showing lapmarks and rollermarks after drying, especially with darker colours.
* Not designed for permanently immersed applications.
* Application of all liquid applied membranes and primers should always refer to the surface temperature conditions before commencing and not just ambient temperatures.
* The membrane should be protected from rain during the first 48 hours.

Disclaimer

This Specification is copyright to DuluxGroup (Australia) Pty Ltd and/or DuluxGroup (New Zealand) Pty Ltd (collectively, 'Dulux'). It may not be varied or altered without the prior written consent of Dulux, and if it is, Dulux has no responsibility or liability for those variations.

Unless Dulux has provided you with a customised, project-specific specification, this Duspec+ document does not represent that any particular product or product system will be suitable for your project.

Any information provided in this Duspec+ is given in good faith and is believed by Dulux to be correct at the time of publication. Products and coating systems can be expected to perform as indicated in this Duspec+ document, provided the substrate is in good condition, the coatings are applied by a suitably experienced and skilled applicator, and the preparation, application and maintenance is followed strictly as set out in this Duspec+ document, and as recommended on the applicable Dulux Product Data Sheet and Safety Data Sheets for the relevant products (available from www.duspecplus.com.au). Climatic conditions at application time can affect Duspec+ documentation suitability and product performance.

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 4361 Parts 1 and 2 and Worksafe Australia guidelines.

AUDU06026 Dulux Weathershield Low Sheen on Painted Timber trim [Exterior]

Description

A low sheen finish for over sound painted timber.

Substrate and Substrate Preparation

Substrate Notes

New dressed timber should be delivered in a clean dry condition, just prior to installation. The timber should be inspected for physical defects, such as splinters, cracks, woolly grain, machine marks and knot holes as well as sap and tannin stains, resin exudation from knots, wax or preservatives. Moisture content should be close to equilibrium, usually 10-17% for satisfactory staining or coating. Timber should be stored out of the weather in clean, dry conditions before painting. Timber left exposed to the weather for as little as 7 days for some species prior to painting will suffer from degradation and reduced paint adhesion and durability.

Aged timber should be inspected for dry rot, mould or fungus, excessive water content, grey and weathered timber, grain cracking, resins, stains, dirt and other surface contamination. These defects should be rectified prior to painting. Degraded timber should be sanded back to as-new condition before painting.

Some timbers such as meranti, merbau, kwila, western red cedar and tallowwood contain high levels of tannin which may bleed through water-based coatings and require an effective tannin-blocking primer to seal the tannins in the wood.

Substrate Preparation Notes

ASSESS SUITABILITY Inspect to determine the degree of deterioration of existing coatings and presence of decayed timber. Check coating adhesion using the cross-hatch test.

CLEAN SURFACE Clean to remove all dirt, dust and all other surface contaminants by using a suitable cleaning agent and rinse off with clean water. Treat mould with a suitable mould treatment.

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 or dust off to remove debris. Any major design faults or decayed timber leading to structural weakness must be corrected prior to repainting.

SANDING Sand the entire cleaned surface 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.
PRIME Prime any bare areas with a suitable primer.

NOTE: If Staining: Timber must be sanded back to clean bare timber All coatings must be removed.

Coating System Summary

• Primer	Dulux Precision High Opacity Stain Blocker
• 1st Coat	Dulux Weathershield Low Sheen
• 2nd Coat	Dulux Weathershield Low Sheen

Coating System

Primer — Dulux Precision High Opacity Stain Blocker

Coat Type	Datasheet
Primer	**AUDU00108 Dulux Precision High Opacity Stain Blocker**

Read the full Datasheet details at Dulux Precision High Opacity Stain Blocker

Application Methods

Air Spray **Airless Spray** **Brush** **Roller**

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	8	12	12
Wet Film Per Coat (microns)	125	83	83
Dry Film Per Coat (microns)	60.5	40	40
Recoat Time **	90 minutes	indefinite	90 minutes

V.O.C. Level	Meets GBCA V.O.C. Requirements?
< 420g/l untinted	**No**

Coating Application Details

Brush Roller, conventional spray or airless spray application.
Stir thoroughly before and during use.
For Stainblocking applications do not tint or thin.

Apply one even coat of precision High Opacity Stain Blocker. For heavily stained surfaces and for paperfaced plasterboard where there is a different texture between the paper and jointing compound or where extra filling and smoothness is required, apply a second coat of precision High Opacity Stain Blocker.

For optimal coverage and smoothness, apply with:
Brush: High quality synthetic filament brush (Nylon or Polyester) Apply in full even coating direct from the container.
Roller: Medium nap synthetic roller (10-13mm on smooth surfaces or 13-18mm on semi-rough or porous surfaces) Apply in full even coating direct from the container.
Spray: Do not thin for stain blocking applications. Suitable for application by all standard spray equipment.

Clean Brushes and Rollers with Mineral Turpentine prior to and after use.

SDS Number	SDS Link
DLXGHSEN001194	**View SDS Link**
For detailed information refer to the product label and the current material safety data sheet available through customer service.	
Australia : 13 25 25	
New Zealand: 0800 800 424	

1st Coat — Dulux Weathershield Low Sheen

Coat Type	Datasheet
1st Coat	**AUDU00073 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 (m²/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 GBCA V.O.C. Requirements?
Not Applicable

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 13 25 25 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
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 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
DLXGHSEN003376

SDS Link
View SDS Link

2nd Coat — Dulux Weathershield Low Sheen

Coat Type	Datasheet
2nd Coat	**AUDU00073 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 (m²/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	Meets GBCA V.O.C. Requirements?
<45 g/L untinted	**Not Applicable**

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 13 25 25 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
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 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	SDS Link
DLXGHSEN003376	**View SDS Link**

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.

Disclaimer

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AUDU05828 Dulux Weathershield Semi Gloss / Painted on Previously Coated Zincalume® [Exterior]

Description

Coating system for previously painted Zincalume gutters and downpipes

Substrate and Substrate Preparation

Substrate Notes

Zincalume® is sheet steel coated with an aluminium–zinc–magnesium alloy manufactured by BlueScope Steel. Zincalume® steel is supplied with a specially formulated clear resin on the surface to avoid fingerprint marks during installation and to protect against surface corrosion during storage.

Painted Zincalume® steel surfaces should be examined for defects in the existing coating such as flaking, peeling or blistering, white rust (zinc corrosion products), red rust (rusted steel where the Zincalume® layer had depleted), and other surface contaminants all of which must be removed. Zinc corrosion products are the major cause of paint delamination. Zincalume® steel is not recommended for corrosive coastal environments.

Zinc coated surfaces must never be primed with alkyd paints due to chemical reaction between the zinc and the alkyd resin.

Substrate Preparation Notes

Assess suitability

Visually assess condition of the existing coating, including the presence of blisters, exposed metal due to damage or deterioration of the coating and the presence of white rust (zinc/aluminium corrosion products), red rust where the Zincalume® layer has been depleted, or other defects and contaminants that can interfere with coating adhesion.
Ensure that the existing coating is tightly adhered to the substrate by performing adhesion tests on several representative areas in accordance with AS3894.9 (select method appropriate for film thickness). If coating fails adhesion test, it must be removed.

Clean surface

Remove grease, oil and all other contaminants in accordance with AS1627.1 by washing with a free-rinsing, alkaline detergent such as Gamlen CA 1 strictly in accordance with the manufacturer's instructions and all safety warnings and rinse thoroughly with fresh potable water to remove all detergent residues. A clean surface is indicated when the rinsing water wets out the surface instead of beading on the surface. Repeat until the surface is clean. Refer to AS1627.1 Part 1.4.4 - 1.4.6. Ensure that all soluble salts are removed; refer to AS 3894.6 methods A&D.

Abrade surface

Remove all unsound and poorly adhering paint by power sanding, scraping, wire brushing or chemical stripper or as appropriate to leave a clean and bare surface. Feather edges of the surrounding sound paint to completely remove visual ridges. Abrade the remaining painted surfaces thoroughly to provide a sound, uniform surface, and a suitable key for the new coating. Carefully abrade all bare Zincalume® steel to remove white rust to provide a clean and lightly profiled surface. If any red rust corrosion is visible, power tool clean the rusted areas back to clean bare steel in accordance with AS1627.2 Class St 2 with a visual reference to ISO 8501-1 St 2.

Remove all residual dust by dry compressed air, vacuum or sweeping with a clean brush. Avoid handling the prepared Zincalume® steel with bare hands. The surface must be inspected prior to coating application to ensure there are no surface defects or contamination, otherwise rectification is required before any coating is applied.

Prime surface

All surfaces must be clean and dry prior to coating. Spot prime any bare steel areas immediately after cleaning. Apply the first coating nominated in the Coating System section of the specification as soon as possible and before any surface deterioration to the Zincalume® steel occurs. All edges, bolts, nuts and difficult to coat areas require extra brushing in and stripe coating to achieve adequate coating thickness.

Tests to be conducted prior to painting:

1. Existing coatings remaining after surface preparation must be sound and firmly adherent to the substrate - cross hatch adhesion testing must be carried out prior to applying this coating system.
2. The existing coatings may be solvent sensitive! The nominated primer or first coat should therefore be applied to a "test area" prior to work commencing to ensure that the new coatings will not adversely affect the existing coatings. If 'frying' or 'wrinkling' occurs, then an alternative system must be employed.
3. Allow the test area to fully cure before conducting a cross-cut adhesion test on the new paint. If the nominated primer or first coat comes off, an alternative coating system will be required.
4. Dulux will not be held responsible for any failures if these tests are not carried out. The above information is given in good faith; however, Dulux cannot be held responsible for any coating adhesion failure due to longer-term compatibility issues between substrate and original coating system, nor between the original and the new coating system.

Coating System Summary

- Spot Primer — Dulux Precision All Metal Primer
- Primer — Dulux Precision Maximum Strength Adhesion Primer
- 1st Coat — Dulux Weathershield Semi Gloss
- 2nd Coat — Dulux Weathershield Semi Gloss

Coating System

Spot Primer — Dulux Precision All Metal Primer

Coat Type	Datasheet
Spot Primer	**AUDU00123 Dulux Precision All Metal Primer**

Read the full Datasheet details at Dulux Precision All Metal Primer

Application Methods

Air Spray **Airless Spray** **Brush** **Roller**

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	14.80	7.40	14.80
Wet Film Per Coat (microns)	68	136	68
Dry Film Per Coat (microns)	25	50	25
Recoat Time **	2 hours	Indefinite	2 hours

V.O.C. Level
<60g/L

Meets GBCA 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: Apply full even coats to the prepared surface.
- Conventional/Airless Spray: Suitable for application by conventional or airless spray equipment. If necessary thin with up to 50ml/litre of water.
- For Galvanised Iron, Zincalume, Aluminium, Copper, Brass and Stainless Steel apply one coat of Dulux Precision All Metal Primer.
- For Steel & Wrought Iron apply two coats of Dulux PRECISION All Metal Primer.
- Note: Thinning can reduce the rust inhibiting performance of Dulux Precision All Metal Primer
- **DO NOT TINT**

SDS Number	SDS Link
DLXGHSEN001852	**View SDS Link**

Primer — Dulux Precision Maximum Strength Adhesion Primer

Coat Type	Datasheet
Primer	**AUDU00119 Dulux Precision Maximum Strength Adhesion Primer**

Read the full Datasheet details at Dulux Precision Maximum Strength Adhesion Primer

Application Methods

Air Spray | Airless Spray | Brush | Roller

Airless Spray: Tip: 0.015" - 0.021" Filter: 60 Mesh Fluid Pressure: 2,500 - 3,200 psi Roller: Smooth surfaces: 9-12mm Porous surfaces: 12-19mm Brush: Nylon/ Polyester Blend

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	7.3	10	10
Wet Film Per Coat (microns)	100	137	100
Dry Film Per Coat (microns)	42	58	42
Recoat Time **	1 hour	30 days	1-2 hours

V.O.C. Level
30.4 g/lt

Meets GBCA 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

Eye protection is recommended.
Only apply if surface, air and product temperatures are between 10°C and 32°C.
Apply using a brush, roller or spray;
Brush – High quality Nylon/Polyester
Roller – High quality 9-12mm nap on smooth surfaces or 12-19mm nap on semi-rough or porous surfaces.
Airless spray – 0.015" - 0.021" tip / 60 mesh filter @ 2,500 – 3,200 PSI
For spray applications; a small amount of water (no more than 100mls per 1 Litre) may be added.
Stir thoroughly before and occasionally during use.

SDS Number	SDS Link
DLXGHSEN001275	View SDS Link
For detailed information refer to the Product Label and the current Material Safety Data Sheet	
Customer Service:	
AUSTRALIA : 13 25 25	
NEW ZEALAND: 0800 800 424	

1st Coat — Dulux Weathershield Semi Gloss

Coat Type	Datasheet
1st Coat	**AUDU00084 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	

V.O.C. Level	Meets GBCA V.O.C. Requirements?
< 70 g/L untinted	**Not Applicable**

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 13 25 25 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	SDS Link
DLXGHSEN003378	**View SDS Link**

2nd Coat — Dulux Weathershield Semi Gloss

Coat Type	Datasheet
2nd Coat	**AUDU00084 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	

V.O.C. Level **< 70 g/L untinted**	Meets GBCA V.O.C. Requirements? **Not Applicable**

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 13 25 25 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 **DLXGHSEN003378**	SDS Link **View SDS Link**

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.

Comments

Comments

- Dry times apply to a single coat at recommended spread rate at 25C and 50% Relative Humidity. Allow longer times under cool, moist or still conditions.
- Do not apply paint if the temperature is below 10°C or likely to fall below 10°C during the drying period.

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AUDU04429 Dulux Weathershield Semi Gloss painted over Precision Maximum Adhesion Primer on New Polyvinyl chloride (PVC) [Exterior]

Description

To paint prepared PVC

Substrate and Substrate Preparation

Substrate Notes

Polyvinyl chloride (PVC) is a thermoplastic resin that is usually pigmented. PVC has good resistance to acids, alkalis and water and readily sheds dirt and is deal for guttering and downpipes. PVC is often softened with plasticisers, but the smooth surface and the presence of plasticiser from the PVC present challenges for coating adhesion.

Substrate Preparation Notes

PPC011 - Perspex / Polycarbonate / Polystyrene / Polyurethane / PVC
ASSESS SUITABILITY
Inspect to determine the degree of deterioration of existing coatings. Check coating adhesion using the cross-hatch test.
CLEAN SURFACE
Clean to remove all dirt, dust and all other surface contaminants by using a suitable cleaning agent and rinsing / water blasting clean with water. Treat mould with a suitable mould treatment and rinse clean.
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 substrate 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.
PRIME
Prime any bare areas with a suitable primer.
Specification

Coating System Summary

- Primer — Dulux Precision Maximum Strength Adhesion Primer
- 1st Coat — Dulux Weathershield Semi Gloss
- 2nd Coat — Dulux Weathershield Semi Gloss

Coating System

Primer — Dulux Precision Maximum Strength Adhesion Primer

Coat Type	Datasheet
Primer	**AUDU00119 Dulux Precision Maximum Strength Adhesion Primer**

Read the full Datasheet details at Dulux Precision Maximum Strength Adhesion Primer

Application Methods

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	7.3	10	10
Wet Film Per Coat (microns)	100	137	100
Dry Film Per Coat (microns)	42	58	42
Recoat Time **	1 hour	30 days	1-2 hours

V.O.C. Level
30.4 g/lt

Meets GBCA 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

Eye protection is recommended.
Only apply if surface, air and product temperatures are between 10°C and 32°C.
Apply using a brush, roller or spray.
Brush – High quality Nylon/Polyester
Roller – High quality 9-12mm nap on smooth surfaces or 12-19mm nap on semi-rough or porous surfaces.
Airless spray – 0.015" - 0.021" tip / 60 mesh filter @ 2,500 – 3,200 PSI
For spray applications, a small amount of water (no more than 100mls per 1 Litre) may be added.
Stir thoroughly before and occasionally during use.

SDS Number	SDS Link
DLXGHSEN001275	
FOR DETAILED INFORMATION REFER TO THE PRODUCT	
LABEL AND THE CURRENT MATERIAL SAFETY DATA	
SHEET AVAILABLE THROUGH CUSTOMER SERVICE.	
AUSTRALIA : 13 25 25	
NEW ZEALAND: 0800 800 424	

1st Coat — Dulux Weathershield Semi Gloss

Coat Type	Datasheet
1st Coat	**AUDU00084 Dulux Weathershield Semi Gloss**

Read the full Datasheet details at Dulux Weathershield Semi Gloss

Application Methods

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	

V.O.C. Level	Meets GBCA V.O.C. Requirements?
< 70 g/L untinted	**Not Applicable**

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 13 25 25 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	SDS Link
DLXGHSEN003378	**View SDS Link**

2nd Coat — Dulux Weathershield Semi Gloss

Coat Type	Datasheet
2nd Coat	**AUDU00084 Dulux Weathershield Semi Gloss**

Read the full Datasheet details at Dulux Weathershield Semi Gloss

Application Methods

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	

V.O.C. Level	Meets GBCA V.O.C. Requirements?
< 70 g/L untinted	**Not Applicable**

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 13 25 25 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.

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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	SDS Link
DLXGHSEN003378	**View SDS Link**

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.

Disclaimer

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Any information provided in this Duspec+ is given in good faith and is believed by Dulux to be correct at the time of publication. Products and coating systems can be expected to perform as indicated in this Duspec+ document, provided the substrate is in good condition, the coatings are applied by a suitably experienced and skilled applicator, and the preparation, application and maintenance is followed strictly as set out in this Duspec+ document, and as recommended on the applicable Dulux Product Data Sheet and Safety Data Sheets for the relevant products (available from www.duspecplus.com.au). Climatic conditions at application time can affect Duspec+ documentation suitability and product performance.

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 4361 Parts 1 and 2 and Worksafe Australia guidelines.

AUEM00001 EMER Emer-Clad Facade Matt

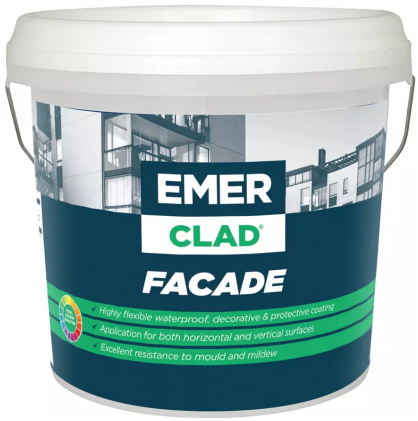
Introduction

Line Shade **FE100100-15L Emer-Clad Matt White**	Line Shade **FC000687-15L Emer-Clad Matt Extra Bright Base**
Line Shade **FC000685-15L Emer-Clad Matt Deep Base**	Line Shade **FC061723-15L Emer-Clad Matt Light Grey**
Line Shade **FC000686-15L Emer-Clad Matt Ultra Deep Base**	Line Shade **FC061724-15L Emer-Clad Matt Mid Grey**

Product Overview and Image

The Emer-Clad Facade system comprises a single component water based, high solids, acrylic copolymer membrane coating. Emer-Clad Facade is a highly flexible coating containing additives to inhibit the growth of mould, resist bacterial growth and aggressive elements ie: resistant to UV light, chloride ion and carbonation attack. Emer-Clad Facade dries to form an aesthetically pleasing waterproof protective coating on vertical surfaces and may be applied by brush, roller or airless spray.

For a total waterproofing solution on horizontal surfaces such as balconies, terraces and rooftops that meets the requirements of AS4654.1, use in conjunction with Emer-Proof membranes.



Features and Benefits

- Highly flexible membrane coating
- Excellent resistance to UV, weathering, chloride ions and CO2
- Excellent reistance to mould and mildew
- Can be applied to a wide range of substrates
- Total Colour Solution (Dulux tint aligned), available in White, Deep, Ultra Deep and Extra Bright Bases
- Accommodates movement of pre-existing cracks of up to 1mm
- Reduces the impact of weathering, UV, CO2 and chloride ion damage
- Easy water clean up

Uses

Emer-Clad Facade Matt can be applied on a wide on a range of surfaces including Concrete, Render, Brick, Masonry, Fibre Cement Panels, Iron, Steel, Aluminium, Zinc, Copper, Brass, Galvanised Iron and Timber after the recommended primer or surface preparation has been carried out.

System Performance Testing Data

Test Result Name:	Test Method:	Unit of Measure:	Result:	Comments:
Water Vapour Transmission resistance	AS 4548.5 Appendix C	g/m2/24hrs	42	Vapour Diffusion coefficient of film cm2sec = 1.1x10-04 Equivalent air layer thickness (Sd) =1m
Water Transmission Resistance	AS 4548.5 Appendix C	g/m2/24hr/kPa	3	48 hours
Chloride Ion Diffusion Resistance	AS 4548.5 Appendix E	cm2 per sec	2.0 x 10-12	
Carbon Dioxide Diffusion Resistance	AS 4548.5 Appendix D	cm2 per sec	1.6 x 10-07	Equivalent thickness of Concrete 30MPa (Sc) = 64cm Equivalent air layer thickness (R) = 255m
Cyclone Testing	ASTM E514 Class A-E		Class E	Class E (Highest) Independently Tested - No Penetration

Typical Properties

Components
1

Shelf Life
N/A

V.O.C. Content
59.4 g/litre

Clean Up

Water

Application Methods

Airless Spray **Brush** **Roller**

Specifications

Solids by Volume: **53**

	Min	Max	Recommended
Wet Film Per Coat (microns)	250	330	250
Dry Film Per Coat (microns)	132	175	132
Theoretical Spread Rate (m²/L)	4	3	4

Drying Time

	Min	Max	Recommended
Touch Dry (min)	30		
Recoat Time (min/hours)	2 hours	Indefinite	

Full Cure: **7**

Comments: **Figures stated are at 23°C and 50% Relative Humidity.**

Maintenances

No special requirements, any damage identified during normal inspections should be repaired or replaced as appropriate

Application Guide

Surface Preparation

Check Moisture
Ensure moisture content is less than 5%. The following 2 tests can be conducted prior to coating; ASTM F2659-10 "Standard Guide for Preliminary Evaluation of Concrete, Gypsum Cement and other Floor Slabs and Screeds using a Non-Destructive Electronic Moisture Meter", and ASTM F2170 in situ concrete probe test.

Concrete, Render, Brick, Masonry, Fibre Cement Panels:
Thoroughly clean down surfaces by stiff brush, scraper, etc.to remove all laitence, dirt, dust or other contamination to leave sound, clean, dry surfaces free from all residues.
Prime: One coat of Emer-Clad Water Based Primer or Emer-Clad Solvent Based Primer.
Emer-Patch Repair products
Use Emer-Patch Skim Coat to cover any surface imperfections or level the surface. Emer-Patch High Build Repair can be used for larger concrete repairs.
Prime: One coat of Emer-Patch Primer HAR.
Mould infested surfaces:
Scrape or clean thoroughly; all finishes lifting or badly infested should be removed. Wash down with a water-soluble fungicide or one part domestic bleach to eight parts water, scrubbed into the affected area, then rinsed clean of residues. Make good any defects and allow walls and repairs to completely dry.
Prime: One coat of appropriate primer depending on substrate.
Iron or Steel:
Grease or oil to be removed with degreasing solution. Wire brush/shot or sand blast metal. All dust/dirt to be removed.
Prime: One coat of Emer-Clad High Bond Primer (previously known as Emer-Clad Primer NP Non Porous).
Note: failure to properly coat the metal with primer will result in surface staining and/or significantly diminish the protection of the iron or steel.
Rusty Iron or Steel:
Remove loose rust and paint particles with wire brushing. Sound areas of remaining paint should be roughened to obtain a good mechanical key. Loose flakes or corroded metal must be chipped away.
1st Coat: Application of a suitable tannin phosphate rust converter according to the suppliers instructions.
Prime: One coat of Emer-Clad High Bond Primer.
Aluminium/Zinc/Copper/Brass/Galvanised Iron:
A suitable metal etch solution to suit acrylic coatings may be required prior to priming with Emer-Clad High Bond Primer and application of Emer-Clad Facade. Adhesion testing is advisable.
Sound, Previously Painted or Primed Surfaces:
Acrylic: On existing sound acrylic coatings, scrub with detergent and water, allow to dry. No primer required. If coatings are delaminating then remove all loose and delaminating coatings back to a sound firmly adhered edge then apply one coat of Emer-Clad Solvent Based Primer.
Enamel / Oil Based: Depends on underlying substrate. For steel, abrade and apply Emer-Clad High Bond Primer. A test area should be done prior to using the Emer-Clad High Bond Primer.
Timber surfaces:
Treat previously painted surfaces as above.
Prime: One coat of Emer-Clad Water Based Primer. Note: do not apply Emer-Clad Water Based Primer over old oil based paints.
Powdery Paintwork or Absorbent Masonry Surfaces:
Should be sealed with one coat of Emer-Clad Solvent Based Primer.
Overcoating old Emer-Clad:
Clean the surface with mild detergent, rinse with clean water, allow to dry.
No primer required if the existing Emer-Clad is sound and in good condition. If existing Emer-Clad is delaminating then remove all delaminating coatings back to a firmly adhered edge then apply one coat of Emer-Clad Solvent Based Primer.

Application Procedure and Equipment

Apply Emer-Clad Facade by brush, roller or airless spray to the previously primed surface.
Previously primed and prepared surface: Apply 2 coats of Emer-Clad Facade protective coating at 4 m2 per litre per coat (250 microns wet film thickness) to achieve a total dry film thickness of not less than 250 microns.

First coat to be Emer-Clad Facade Matt. Final Coat to be Emer-Clad Facade Satin or Matt (Satin exhibits better self-cleaning properties).
To visually facilitate coverage and ensure adequate film build, different colours may be used for each coat of Emer-Clad Facade.

When applying Emer-Clad Facade to smooth surfaces a 12mm nap roller is recommended and on rougher more textured surfaces a 20mm nap roller should be used. It is important to deliver the correct amount of material to the surface as overspreading can cause the coating to dry faster and cause lap marks.

To create a textured profiled surface, Emer-Clad Facade can be applied using a medium texture roller on the first coat and finished using a nap roller on the second coat. A textured profile finish will consume more material.

Spray Application

When being applied to well prepared surfaces (no blow holes) it is possible to spray apply the Emer-Clad Facade in a single coat to achieve the 250 micron dry film thickness (500 micron wet film thickness). This can be a substantial time saving on a project. Suitable equipment includes Graco 795 or Graco 1095 airless running at 3000 psi and utilising 19 thou or 21 thou spray tips.

Health and Safety

SDS Number	SDS Link
PARGHSEN000193	**View SDS Link**

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Precautions and Limitations

Note: do not apply any materials during damp or rainy conditions or where there is likelihood of rain. Temperatures above 30°C reduce the wet edge time and, as with other water based coatings, may increase the risk of showing lap marks and roller marks after drying, especially with darker colours.

Dark colours may show slight oxidisation over time. This can be removed temporarily by cleaning, but will not affect the performance of the coating.

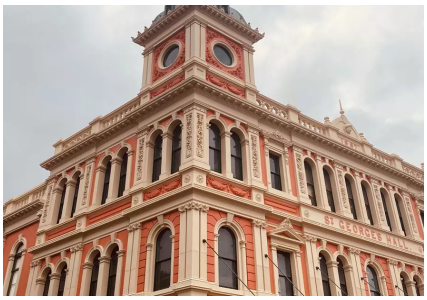
At normal temperature, 18°C to 20°C, Emer-Clad Facade will dry and can be recoated within 2 hours after application. In very cold or humid weather, allow overnight drying between applications. Do not apply at temperatures below 10°C, or when temperature may fall below 10°C during the drying period.

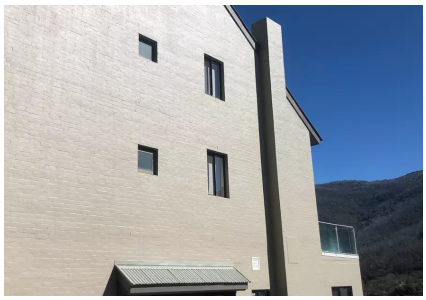
Emer-Clad Facade should not be applied externally if it is raining or if rain is imminent.
Emer-Clad Facade should be protected from rain during the first 48 hours.

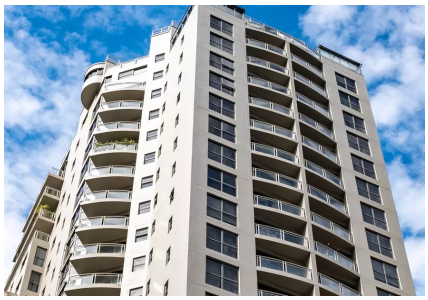
Transport and Storage

Size:	Weight:
15L	**20.8kg**

Images







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AUDU00108 Dulux Precision High Opacity Stain Blocker

Introduction

Part A
30SX384A

Description and Image

Dulux Precision High Opacity Stain Blocker is an interior & exterior oil based, fast drying, superior stain blocker for a wide range of water & oil based stains. One coat effectively blocks stains so they will not migrate through subsequent coats of paint. It delivers excellent hiding power over stubborn stains & dark colours and is ideal for blocking tannin.With excellent adhesion properties, it is suitable as a primer, sealer and undercoat.

Features and Benefits

- Oil Based
- Fast drying - touch dry 45min, re-coat 90min
- Blocks water & oil based stains
- Stops stains migrating, thereby preventing discolouration of topcoats
- Primes interior & exterior surfaces
- Easy application, quick drying oil based
- Seals stains from dark colours, grease, rust, crayon, lipstick, graffiti, markers, knots, saps streaks, tannin bleed
- Multi surface preparation. Suitable for a wide range of surfaces
- One coat effectively blocks most stains so they will not migrate into the topcoat

Uses

New & previously painted surfaces, Bare plaster, Hard set plaster, MDF, Wood, Metal, PVC, Fibreglass, Masonry

Precautions and Limitations

All preparation and painting must conform to AS/NZS 2311:2009 Guide to the painting of buildings.

NB: This Standard provides a guide to products and procedures for the painting of buildings for general domestic, commercial and industrial use. The Standard does not include a specific recommendation for the long-term protection of iron or steel exposed directly to the atmosphere or to internal climates likely to have aggressive environments which are dealt with in AS/NZS 2312.

Do not apply if the surface temperature is below 10C or conditions indicate it will fall below10C during the drying period.
For stainblocking applications do not tint
For stainblocking applications do not thin

Performance Guide

Weather
Excellent when used as part of an approved system

Heat Resistance **Up to 120C. Prolonged exposure to 120C heat will cause embrittlement.**	Water **Excellent resistance to condensation and water splash as part of a system**
Solvent **Resistant to alcohols and aliphatic hydrocarbons. Film is susceptible to attack from strong aromatic and ketone/acetate solvents**	Abrasion **Good when topcoated**
Acid **Some components may react if exposed even to mild acid conditions.**	Alkali **Resistant to intermittent exposure to mild alkali**

Typical Properties

Gloss Level **Flat**	Thinner **Mineral Turpentine**

Colour
White, Tinting not recommended for stainblocking applications. For non stainblocking applications may be tinted to 2Y or 60ml of Decorama tinter per 4 litres. When tinting, tint to a lighter shade than the topcoat is recommended.

Components **1**	Number of Coats **1 For smooth surfaces.**
Toxicity **Lead Free, Dry Film is non-toxic**	V.O.C. Level **< 420g/l untinted**
Shelf Life **2 years**	Meets GBCA V.O.C. Requirements? **No**
Sanding Properties **Sandable when dry - 24 hours)**	Mixing Ratio **N/A**
Pot Life **N/A**	Touch Dry **45 minutes**

Clean Up

Mineral Turpentine

Clean Up Description
Clean all equipment with mineral turpentine
Clean any oversray or spillage with mineral turpentine

Application Methods

Air Spray **Airless Spray** **Brush** **Roller**

Application Conditions

Solids by Volume: **48.4**

	Min	Max	Recommended
Wet Film Per Coat (microns)	**125**	**83**	**83**
Dry Film Per Coat (microns)	**60.5**	**40**	**40**

Recoat Time (min/hours)	90 minutes	indefinite	90 minutes
Theoretical Spread Rate (m²/L)	8	12	12

Application Guide

Surface Preparation

- Do not apply paint if the temperature is below 10°C or likely to fall below 10°C during the drying period.

All surfaces should be thoroughly dry, clean and free of all loose dirt, surface chalk, grease, mould, mildew, wax and loose or flaking paint.
Sand smooth, dust down, fill and prime in accordance with the requirements of the chosen system

Application Procedure and Equipment

Brush Roller, conventional spray or airless spray application.
Stir thoroughly before and during use.
For Stainblocking applications do not tint or thin.

Apply one even coat of precision High Opacity Stain Blocker. For heavily stained surfaces and for paperfaced plasterboard where there is a different texture between the paper and jointing compound or where extra filling and smoothness is required, apply a second coat of precision High Opacity Stain Blocker.

For optimal coverage and smoothness, apply with:
Brush: High quality synthetic filament brush (Nylon or Polyester) Apply in full even coating direct from the container.
Roller: Medium nap synthetic roller (10-13mm on smooth surfaces or 13-18mm on semi-rough or porous surfaces) Apply in full even coating direct from the container.
Spray: Do not thin for stain blocking applications. Suitable for application by all standard spray equipment.

Clean Brushes and Rollers with Mineral Turpentine prior to and after use.

Health and Safety

SDS Number **DLXGHSEN001194**	SDS Link **View SDS Link**
SDS Number **For detailed information refer to the product label and the current material safety data sheet available through customer service.**	SDS Link
SDS Number **Australia : 13 25 25**	SDS Link
SDS Number **New Zealand: 0800 800 424**	SDS Link

Using Safety Precautions
Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet.
Wash contaminated clothing and other protective equipment before storing or re-using.

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Transport and Storage	
Pack A **Precision High Opcity Stain Blocker Line/Shade 30SX384A**	
Size: **1 Litre, 4 Litre, 10 Litre**	Weight: **1.3kg, 5.3kg, 13.4kg**
Flash Point **>23C**	UN Number **1263**
Dangerous Goods Class **3**	Package Group **III**

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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 Data Sheet 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 4361 Parts 1 and 2 and Worksafe Australia guidelines.

AUDU00073 Dulux Weathershield Low Sheen

Introduction

Part A
54L LINE

Approvals
APAS 0280/3 (Vivid White, Deep & Ultra Deep Bases only)

Description and Image

Dulux Weathershield® has been specially designed to provide a tough hardwearing finish that provides protection from all weather conditions. Formulated with MaxiFlex™ Technology to expand and contract with the surface, Dulux guarantees Weathershield won't peel, flake or blister for 15 years provided it is applied according to an approved written Dulux DuSpec Specification.

Features and Benefits

- Self Priming on most surfaces (see application guide below for further instructions)
- Tough & hard wearing
- Helps resist mould, dirt and stains
- Helps prevent tannin bleed
- Long lasting colour
- UV protection
- 100% acrylic paint
- Easy application
- Apply straight onto most bare surfaces
- 2 hour recoat and easy clean up
- Excellent durability - expands & contracts with climate changes
- Long lasting
- No primer required to prevent staining on bare timber

Uses

Dulux Weathershield® Low Sheen provides long lasting exterior decoration and protection for masonry, bricks, concrete, render, fibro cement, exterior timber - including dressed & rough sawn timber, decking, Zincalume®, galvanised iron and correctly primed steel and wrought iron. Dulux guarantees that Weathershield will not blister, flake or peel for 15 years, provided it is applied according to an approved written Dulux DuSpec Specification. This guarantee does not cover paint failure caused by any breakdown of coatings applied previously. If Dulux Weathershield does not perform as specified above, Dulux will provide free of charge paint to rectify the affected areas.

✓ **Exterior**

Precautions and Limitations

All preparation and painting must conform to AS2311: The Painting of Buildings.

Do not apply at air or surface temperatures below 10C or when temperatures may fall below 10C during the drying period. In summer paint on the shady side of the building. If conditions are hot and windy, cool the surface by hosing with water and paint the cool damp surface. Do not apply to roofs or surfaces used for the collection of drinking water. In normal conditions, 7 days curing is required to develop full hardness and resistance properties. Occasionally when dew or condensation forms on dried film, a slight milky deposit will be observed on the film. This is quite normal and does not impair the performance - simply hose or wipe it off with a damp rag. Dirt pick up and marring on high traffic areas, such as decking, may be more obvious over dark colours. Where possible avoid dark colours on lightweight or panellised building systems as these will give rise to much higher surface temperature that may cause additional thermal stress and cooling demand to the building envelope and/or require extra engineering considerations. Always refer to the substrate manufacturer's LRV recommendation.

Performance Guide

Weather **Excellent resistance to weathering with very low level of chalking, colour change and dirt pick up on walls.**	Salt **For galvanised iron within 1 km of the sea (or other salty areas), prime with Dulux All Metal Primer**
Heat Resistance **Softens at temperatures above 70°C**	Water **Resists prolonged rain and condensation.**
Solvent **Sensitive to aromatic hydrocarbons, alcohols and ketones.**	Abrasion **Good resistance to abrasion.**
Acid **N/A**	Alkali **N/A**

Typical Properties

Gloss Level **5-20 at 60 degrees**	Thinner **Water**

Colour
A full range of colours from an extensive range of white and coloured bases.

Dulux Colour Base

✓ **Indian Red** ✓ **Deep** ✓ **Brunswick Green** ✓ **Ultra Deep** ✓ **Mission Brown** ✓ **Extra Bright** ✓ **Orange** ✓ **Blue** ✓ **Black**

Components **1**	Number of Coats **2 or 3***
Toxicity **Lead free. Dry film is non-toxic.**	V.O.C. Level **<45 g/L untinted**

Touch Dry
20 Minutes

Clean Up

Water

Clean Up Description
Clean all equipment with water

Application Methods

Air Spray **Airless Spray** **Brush** **Roller**

Application Conditions

Solids by Volume
38.4

	Min	Max	Recommended
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	24	24	24
Recoat Time (min/hours)	2 Hours	Indefinite	
Theoretical Spread Rate (m²/L)	16	16	16

Application Guide

Surface Preparation

All surfaces must be thoroughly cleaned and free of all dirt, dust, grease, loose or flaking paint. Efflorescence (white salts) on masonry or concrete surfaces must be treated. Remove efflorescence by wiping down with 5% solution of acetic acid (white vinegar). Hose down and allow to dry. Mould on timber/masonry/concrete/painted surfaces must be treated. Remove mould by washing with bleach solution and/or de-mossing chemical, then hose down. Occasionally an apparently sound old paint will lose adhesion when recoated, particularly if the new paint is darker in colour. To avoid this, check the adhesion of the old paint by cutting an 'X' through a clean area of the film with a sharp knife, press cellulose tape firmly across the cut and rip it off. If the old paint comes off with the tape it should be removed before repainting.

Previously painted surfaces
Test if surface is sound. Scrape off all loose and flaking paint. Fill any cracks or holes with a suitable exterior filler. Dulux recommends Selleys® products. Sand all surfaces to a flat finish and remove greyed timber. Dust off.

Galvanised iron
Clean with Scotch Brite and mild detergent solution. Rinse off thoroughly.

Galvanised iron (aged)
Remove white rust by wire brushing or scraping. Wipe surface clean with mineral turps to remove rust, grease, oils and dirt. Allow to dry.

Zincalume, copper, brass and stainless steel
Clean with mild detergent solution. Rinse off thoroughly.

Zincalume (aged)
Remove white rust by wire brushing or scraping. Clean with mild detergent solution. Rinse off thoroughly.

Steel/wrought iron (new)
Wipe surface with mineral turps to remove residual rust, grease, oil and dirt. Allow to dry.

Steel/wrought iron (rusted)
Remove rust scale by scraping, sanding or wire brushing. Wipe surface with mineral turps to remove residual rust, grease, oil and dirt. Allow to dry. (Make sure that all rust is removed).

Brick/masonry/fibro & fibre cement
Unpainted masonry surfaces should be cured for 28 days before painting. Ensure surface is clean and clear of any loose sand or cement. Fill holes with exterior grouting cement. Wash down with water using stiff brush to remove all loose material.

Bare unpainted timber
Fill nail holes with a flexible, exterior grade wood filler. Dulux recommends Selleys® products. Sand all dressed timber and remove greyed timber. Dust off.

Pre-primed timber/fibre cement & Colorbond®/ Colorsteel®
Preparation can vary depending on the quality and conditions of pre-primed timber/fibre cement and Colorbond® & Colorsteel® surfaces. For help and advice, please call Dulux Help & Advice on 13 25 25 for specific guidance.

Tilt up & precast concrete
Due to possible variability in these surfaces, please call Dulux Help & Advice on 13 25 25 for specific guidance.

Application Procedure and Equipment

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 13 25 25 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
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 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.

Health and Safety

SDS Number	SDS Link
DLXGHSEN003376	**View SDS Link**

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Transport and Storage

Pack A
54L LINE

Size:	Weight:
1 Litre 4 Litre 10 Litre 15 Litre	**1.4 Kg 5.5 Kg 13.5 Kg 22.2 Kg**

Flash Point	UN Number
NA	**NA**
Dangerous Goods Class	Package Group
NA	**NA**

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AUDU00123 Dulux Precision All Metal Primer

Introduction

Part A
51W89937

Description and Image

Dulux Precision All Metal Primer is a water based primer designed for metal surfaces† including galvanised iron, Zincalume®, wrought iron, steel, aluminium, copper, brass and stainless steel. Dulux Precision All Metal Primer has been formulated with anti-corrosive pigments to inhibit rust and corrosion for the protection of metal surfaces.

Features and Benefits

- Contains anti corrosive pigments.
- Water Based.
- Excellent adhesion.
- Can be over coated with water based and solvent based topcoats
- Inhibits rust and corrosion.
- Easy clean up after use
- Bonds directly to most metal substrates
- Fast drying.
- Low odour.

Uses

Suitable for interior & exterior use.
Suitable for Galvanised iron, Zincalume, aluminium, steel, wrought iron, copper, brass and stainless steel.
This product is suitable for non structural use only.
Suitable for use under Dulux topcoats.

✓ **Interior** ✓ **Exterior**

Precautions and Limitations

Dulux Precision All Metal Primer is not suitable for use on Structural, Infrastructure, Commercial or Industrial fabrications.
For Structural, Infrastructure, Commercial and Industrial fabrications Dulux recommends standard AS/NZS 2312 (as updated) be followed using the appropriate Dulux Protective Coatings products.

Do not paint at temperatures at or below 10°C or when the temperature may fall below 10°C during the drying period. Rain or dew will damage the film during the drying period.

Whilst this product is lead free, it contains dispersants and inhibitors which will affect drinking water. When priming roofs used for collection of drinking water, disconnect run off pipes until the primer has been coated with an appropriate Dulux Roofing Coating.

DO NOT TINT

Performance Guide

Weather **Excellent weather resistance as a part of system.**	Salt **Good resistance as part of a system**
Heat Resistance **Excellent resistance to usual exterior exposed surface temperatures.**	Water **Excellent resistance to rain and condensation for prolonged periods as part of system.**
Solvent **Sensitive to aromatic hydrocarbons and alcohol. Excellent when top-coated.**	Abrasion **Not applicable.**
Acid **Not applicable**	Alkali **Not Applicable**

Typical Properties

Gloss Level **Low Sheen**	Thinner **Water**
Colour **Grey**	
Components **1**	Number of Coats **1**
Toxicity **Lead free but contains dispersants and inhibitors which will affect drinking water**	V.O.C. Level **<60g/L**
Shelf Life **2 years**	Meets GBCA 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.
Sanding Properties **Sandable after 2 hours**	Mixing Ratio **Not Applicable**
Touch Dry **20 Minutes.**	
Clean Up **Water**	

Use Xylene to clean up dry product from equipment.

Clean Up Description
Clean all equipment with water before the product starts to film form

Application Methods

Air Spray | Airless Spray | Brush | Roller

Application Conditions

Solids by Volume: 37

	Min	Max	Recommended
Wet Film Per Coat (microns)	68	136	68
Dry Film Per Coat (microns)	25	50	25
Recoat Time (min/hours)	2 hours	Indefinite	2 hours
Theoretical Spread Rate (m²/L)	14.80	7.40	14.80

Application Guide

Surface Preparation

Prepainted surfaces: Ensure any loose and flaking paint (see Note 1.) is scraped off. Sand all surfaces to a flat finish. Dust off. Treat any bare metal as indicated below.

Please Note:
1. Check the adhesion of the old paint by cutting an 'X' through the film with a razor blade or trimming knife, pressing cellulose tape firmly across the cut and ripping it off. If the old paint comes off with the tape it should all be removed.

2. Dulux Precision All Metal Primer is suitable for use on substrates that have been sand blasted. (Be mindful that this product is not suitable for commercial, industrial or infrastructure use where most sand blasted metal surfaces are likely to be present.)

3. For commercial & industrial fabrications Dulux recommends standard AS/NZS 2312 (as updated) be followed using the appropriate **Dulux Protective Coatings products.**

Metal surfaces this product can be used:

Galvanised iron: Clean with Scotch Brite and mild detergent solution. Rinse off thoroughly.

Galvanised iron (aged): Remove white rust by wire brushing or scraping. Wipe surface clean with mineral turps to remove rust, grease, oils and dirt. Allow to dry.

Zincalume, Copper, Brass & Stainless Steel: Clean with mild detergent solution. Rinse off thoroughly.

Zincalume (aged): Remove white rust by wire brushing or scraping. Clean with mild detergent solution. Rinse off thoroughly.

Colorbond prepainted steel (Aged): Ensure surface is sound by performing an adhesion test. Any loose or flaking paint needs to be removed. Spot prime bare areas with 1 coat of Dulux Precision All Metal Primer.

Steel/wrought iron (new): Wipe surface with mineral turps to remove residual rust, grease, oil and dirt. Allow to dry.

Steel/wrought iron (rusted) : Remove rust scale by scaping, sanding or wire brushing. Wipe surface with mineral turps to remove residual rust, grease, oil and dirt. Allow to dry. (Make sure that all rust is removed)

For more corrosive environments (within 2 km of the coast) apply a base coat of Dulux Metalshield Cold Galv Primer to any wrought iron or mild steel components including nail heads.

Application Procedure and Equipment

- 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: Apply full even coats to the prepared surface.

- Conventional/Airless Spray: Suitable for application by conventional or airless spray equipment. If necessary thin with up to 50ml/litre of water.
- For Galvanised Iron, Zincalume, Aluminium, Copper, Brass and Stainless Steel apply one coat of Dulux Precision All Metal Primer.
- For Steel & Wrought Iron apply two coats of Dulux PRECISION All Metal Primer.
- Note: Thinning can reduce the rust inhibiting performance of Dulux Precision All Metal Primer
- **DO NOT TINT**

Health and Safety

SDS Number	SDS Link
DLXGHSEN001852	**View SDS Link**

Using Safety Precautions

Keep out of reach of children. Avoid contact with skin and eyes or breathing vapour and spray mist. Wear waterproof gloves and safety glasses. Use only in well ventilated areas. Wash hands after use.

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Transport and Storage

Pack A

51W-89937

Size:	Weight:
1 Litre 4 Litre	**1.5 Kg 5.7 Kg**

Flash Point	UN Number
Not Applicable - Water Based	**NOT APPLICABLE**
Dangerous Goods Class	Package Group
Not Classified as Dangerous Goods	**Not classified as Dangerous Goods**

AUDU00084 Dulux Weathershield Semi Gloss

Introduction

Part A
54S LINE

Approvals
APAS 0280/2 (Vivid White, Deep & Ultra Deep Bases only)

Description and Image

Dulux® Weathershield® has been specially designed to provide a tough hardwearing finish that provides protection from all weather conditions. Formulated with MaxiFlex™ Technology to expand and contract with the surface, Dulux guarantees Weathershield won't peel, flake or blister for 15 years provided it is applied according to an approved written Dulux DuSpec Specification.

Features and Benefits

- Self Priming on most surfaces (see application guide below for further instructions)
- Tough & hard wearing
- Helps resist mould, dirt and stains
- Helps prevent tannin bleed
- Long lasting colour
- UV protection
- 100% acrylic paint
- Easy application
- 2 hour recoat and easy clean up.
- Excellent durability - expands & contracts with climate changes.
- Easy to apply by brush, roller or spray.
- Long lasting, guaranteed performance.
- Apply direct onto most bare surfaces.
- No primer required to prevent staining on bare timber.

Uses

Dulux Weathershield® Semi Gloss Acrylic provides a long lasting exterior semi gloss finish on masonry, bricks, concrete, render, fibro cement, exterior timber, Zincalume®, galvanised iron and correctly primed steel and wrought iron. Dulux guarantees that Weathershield will not blister, flake or peel for 15 years, provided it is applied according to an approved Dulux Duspec Specification. This guarantee does not cover paint failure caused by any breakdown of coatings applied previously. If Dulux Weathershield does not perform as specified above, Dulux will provide free of charge paint to rectify the affected areas.

✓ **Exterior**

Precautions and Limitations

All preparation and painting must conform to AS2311: The Painting of Buildings.

Do not apply at air or surface temperatures below 10°C or when temperatures may fall below 10°C during the drying period. In summer paint on the shady side of the building. If conditions are hot and windy, cool the surface by hosing with water and paint the cool damp surface. Do not apply to roofs or surfaces used for the collection of drinking water. In normal conditions, 7 days curing is required to develop full hardness and resistance properties. Occasionally when dew or condensation forms on dried film, a slight milky deposit will be observed on the film. This is quite normal and does not impair the performance - simply hose or wipe it off with a damp rag. Where possible avoid dark colours on lightweight or panellised building systems as these will give rise to much higher surface temperature that may cause additional thermal stress and cooling demand to the building envelope and/or require extra engineering considerations. Always refer to the substrate manufacturer's LRV recommendation.

Performance Guide

Weather **Excellent resistance to weathering with very low level of chalking, colour change and dirt pick up.**	Salt **For galvanised iron within 1 km of the sea (or other salty areas), prime with Dulux All Metal Primer.**
Heat Resistance **Softens at temperatures above 70°C.**	Water **Resists prolonged rain and condensation.**
Solvent **Sensitive to aromatic hydrocarbons, alcohols and ketones.**	Abrasion **Good resistance to abrasion.**
Acid **NA**	Alkali **NA**

Typical Properties

Gloss Level **25-35 at 60 degrees**	Thinner **Water**
Colour **Can be machine tinted to a wide range of colours from white, deep, ultra deep and extra bright bases.**	
Dulux Colour Base ✓ **Deep** ✓ **Ultra Deep** ✓ **Extra Bright**	
Components **1**	Number of Coats **2 or 3***
Toxicity **Lead free. Dry film is non-toxic and conforms to AS1647, Part 3.**	V.O.C. Level **< 70 g/L untinted**
Mixing Ratio **NA**	
Pot Life **NA**	Touch Dry **20 Minutes**
Clean Up **Water**	
Clean Up Description Clean all equipment with water.	
Application Methods **Air Spray** **Airless Spray** **Brush** **Roller**	
Application Conditions	Solids by Volume

	40		
	Min	Max	Recommended
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	25	25	25
Recoat Time (min/hours)	2 Hours	Indefinite	
Theoretical Spread Rate (m²/L)	16	16	16

Application Guide

Surface Preparation

All surfaces must be thoroughly cleaned and free of all dirt, dust, grease, loose or flaking paint. Efflorescence (white salts) on masonry or concrete surfaces must be treated. Remove efflorescence by wiping down with 5% solution of acetic acid (white vinegar). Hose down and allow to dry. Mould on timber/masonry/concrete/painted surfaces must be treated. Remove mould by washing with bleach solution and/or de-mossing chemical, then hose down. Occasionally an apparently sound old paint will lose adhesion when recoated, particularly if the new paint is darker in colour. To avoid this, check the adhesion of the old paint by cutting an 'X' through a clean area of the film with a sharp knife, press cellulose tape firmly across the cut and rip it off. If the old paint comes off with the tape it should be removed before repainting.

Previously painted surfaces
Test if surface is sound. Scrape off all loose and flaking paint. Fill any cracks or holes with a suitable exterior filler. Dulux recommends Selleys® products. Sand all surfaces to a flat finish and remove greyed timber. Dust off.

Galvanised iron
Clean with Scotch Brite and mild detergent solution. Rinse off thoroughly.

Galvanised iron (aged)
Remove white rust by wire brushing or scraping. Wipe surface clean with mineral turps to remove rust, grease, oils and dirt. Allow to dry.

Zincalume, copper, brass & stainless steel
Clean with mild detergent solution. Rinse off thoroughly.

Zincalume (aged)
Remove white rust by wire brushing or scraping. Clean with mild detergent solution. Rinse off thoroughly.

Steel/wrought iron (new)
Wipe surface with mineral turps to remove residual rust, grease, oil and dirt. Allow to dry.

Steel/wrought iron (rusted)
Remove rust scale by scraping, sanding or wire brushing. Wipe surface with mineral turps to remove residual rust, grease, oil and dirt. Allow to dry. Make sure that all rust is removed.

Brick/masonry/fibro & fibre cement
Unpainted masonry surfaces should be cured for 28 days before painting. Ensure surface is clean and clear of any loose sand or cement. Fill holes with exterior grouting cement. Wash down with water using stiff brush to remove all loose material.

Bare unpainted timber
Fill nail holes with a flexible, exterior grade wood filler. Dulux recommends Selleys® products. Sand all dressed timber and remove greyed timber. Dust off.

Pre-primed timber/fibre cement & colorbond®/Colorsteel®
Preparation can vary depending on the quality and conditions of pre-primed timber/fibre cement and Colorbond® & Colorsteel® surfaces. For help and advice, please call Dulux Help & Advice on 13 25 25 for specific guidance.

Tilt up & precast concrete
Due to possible variability in these surfaces, please call Dulux Help & Advice on 13 25 25 for specific guidance.

Application Procedure and Equipment

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 13 25 25 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.

Health and Safety

SDS Number	SDS Link
DLXGHSEN003378	**View SDS Link**

Using Safety Precautions
For detailed information refer to the product label and the current Material Safety Data Sheet available through Customer Service. Health Effects: Splashes to the eye may cause eye irritation. When spraying, inhalation of mists may produce respiratory irritation.

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Transport and Storage

Pack A
54S LINE

Size:	Weight:
2 Litre 4 Litre 10 Litre 15 Litre	2.8 Kg 5.5 Kg 13.2 Kg 21.3 Kg

Flash Point	UN Number
NA	**NA**
Dangerous Goods Class	Package Group
NA	**NA**

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AUDU00119 Dulux Precision Maximum Strength Adhesion Primer

Introduction

Part A
51WD0072

Description and Image

Dulux Precision Maximum Strength Adhesion Primer is specifically formulated to bond to a variety of 'tough to paint' surfaces which typically resist coatings. It provides a sound base for topcoats while reducing or potentially eliminating the need for sanding dense, glossy surfaces. With excellent adhesion properties, it is suitable as a primer, sealer and undercoat. Use Dulux precision Maximum Strength Adhesion Primer where ensuring a secure bond is critical in situations when performance of a traditional oil or water based primer may be questionable. Suitable for interior & exterior applications, including varnished timber.

Features and Benefits

- Water Based
- Low Odour
- Creates a strong bond for topcoats
- Primes interior & exterior surfaces
- Superior adhesion to glossy surfaces
- Adheres to surfaces that typically resist coatings
- Fast drying - touch dry 30min, re-coat 1 hr
- Use under Dulux acrylic & oil based topcoats

Uses

Tiles, High gloss enamels, Varnished Timber, uPVC, Fibreglass, Aluminium, Galvanized steel, Colorbond

Precautions and Limitations

Important! Do not open can without reading instructions
Do not use on floors, benchtops or areas subject to ponding water
Keep from freezing

All preparation and painting must conform to AS/NZS 2311:2009 Guide to the painting of buildings. NB: This Standard provides a guide to products and procedures for the painting of buildings for general domestic, commercial and industrial use. The Standard does not include a specific recommendation for the long-term protection of iron or steel exposed directly to the atmosphere or to internal climates likely to have aggressive environments which are dealt with in AS/NZS 2312.

Only apply if surface, air and product temperatures are between 10°C and 32°C.
Do not apply if the surface temperature is below 10C or conditions indicate it will fall below10C during the drying period.
For difficult surface priming applications do not tint
For difficult surface priming applications do not thin unless absolutely necessary. Maximum addition of 100 mls per 1 Litre

Finishing: Topcoat within 30 days to prevent contamination of the primer before painting.

Precision Maximum Strength Adhesion Primer can be used where ensuring a secure bond is critical in situations when performance of a traditional water or oil-base primer may be questionable. For interior and exterior use on a variety of surfaces including; Kynar®, Fluoroset®, uPVC, Vinyl (unplasticised), Formica®, Laminex®, glass, tile, glazed brick, chalky paints, glossy finishes, fiberglass and metals.

Not recommended for floors or horizontal surfaces or areas subject to prolonged water contact.

Precision Maximum Strength Adhesion Primer may be used under epoxies, lacquers and products containing Xylene or other "hot" solvents, provided it's allowed to dry for 24 hours before top-coating and tested for compatibility in an inconspicuous area before full coat application.

When used under solvent based enamel paints Precision Maximum Strength Adhesion Primer MUST be sanded prior to application of the top coat.

When used under water based top coats containing high levels of slow evaporating coalescing solvents, allow Precision Maximum Strength Adhesion primer to dry for at least 2 hours before applying the first layer of top coat.

Precision Maximum Strength Adhesion Primer will gain full strength in 7 days after application.

Performance Guide

Weather **Excellent when used as part of an approved system**	Salt **Resistant to intermittent exposure to salt as part of a suitable system.** **Not to be used as a primary corrosion resistant primer on reactive metals**
Heat Resistance **Up to 100C. This material is permanently thermoplastic. Prolonged use at temperatures above 80C is not recommended.**	Water **Excellent resistance to condensation and water splash as part of a system**
Solvent **Precision Maximum Strength Adhesion Primer is resistant to products containing Xylene and other "hot" solvents, provided it is allowed to dry for 24 hours before top-coating**	Abrasion **Good when top coated** **Designed to be sandable**
Acid **Resistant to intermittent exposure to mild acid as part of a suitable system**	Alkali **Resistant to intermittent exposure to mild alkali as part of a suitable system**

Typical Properties	
Gloss Level **Flat**	Thinner **Water**
Colour **White, Do Not Tint**	
Components **1**	Number of Coats **1 For smooth surfaces.**
Toxicity **Lead Free, Dry Film is non toxic**	V.O.C. Level **30.4 g/lt**
Shelf Life **2 years from date of manufacture**	Meets GBCA 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.
Sanding Properties **Sandable when dry - 2 hours**	
Touch Dry **30 Minutes**	
Clean Up **Water**	
Clean Up Description Clean up brushes immediately after use with water and finish with a clean in water with a mild detergent then a full water rinse Clean any wet overspray or spillage with water. Clean any dry overspray or spillage with mineral turpentine.	
Application Methods **Air Spray** **Airless Spray** **Brush** **Roller** Airless Spray: Tip: 0.015" - 0.021" Filter: 60 Mesh Fluid Pressure: 2,500 - 3,200 psi Roller: Smooth surfaces: 9-12mm Porous surfaces: 12- 19mm Brush: Nylon/ Polyester Blend	

Application Conditions	Solids by Volume		
	42		
	Min	Max	Recommended
Wet Film Per Coat (microns)	100	137	100
Dry Film Per Coat (microns)	42	58	42
Recoat Time (min/hours)	1 hour	30 days	1-2 hours
Theoretical Spread Rate (m²/L)	7.3	10	10

Application Guide

Surface Preparation

All surfaces must be clean, dry and free of oil, grease, mildew, wax, dust, flaky rust, mill scale, loose paint, chalk and other foreign matter that could interfere with adhesion.

If washing is necessary, use a non-soapy detergent or Selleys® Sugar Soap, rinse well and allow to dry.
Remove loose rust, peeling paint and mill scale with a scraper, wire brush or sandpaper.
Clean bare metal in accordance with specific recommendations for the long-term protection of iron or steel which are dealt with in AS/NZS 2312.

Peeling or Cracked Paint: Scrape off loose paint and sand to a smooth surface. Sanding or removal of paint containing lead is hazardous.
Mould or Mildew Covered Surfaces: Wash the area with a mildew remover, rinse with water and allow to dry before priming.
While Precision Maximum Strength Adhesion Primer is formulated to bond without sanding, it is recommended that a small area be tested for adhesion prior to beginning the job.

Application Procedure and Equipment

Eye protection is recommended.
Only apply if surface, air and product temperatures are between 10°C and 32°C.
Apply using a brush, roller or spray;
Brush – High quality Nylon/Polyester
Roller – High quality 9-12mm nap on smooth surfaces or 12-19mm nap on semi-rough or porous surfaces.
Airless spray – 0.015" - 0.021" tip / 60 mesh filter @ 2,500 – 3,200 PSI
For spray applications; a small amount of water (no more than 100mls per 1 Litre) may be added.
Stir thoroughly before and occasionally during use.

Health and Safety

SDS Number **DLXGHSEN001275**	SDS Link **View SDS Link**
SDS Number **For detailed information refer to the Product Label and the current Material Safety Data Sheet**	SDS Link
SDS Number **Customer Service:**	SDS Link
SDS Number **AUSTRALIA : 13 25 25**	SDS Link
SDS Number **NEW ZEALAND: 0800 800 424**	SDS Link

Using Safety Precautions
If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).
Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the

Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.
Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

PPE for First Aiders: Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician: Treat symptomatically.

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Transport and Storage	
Pack A **Precision Maximum Strength Adhesion Primer 51W-D0072**	
Size: **1 Litre, 4 Litre**	Weight: **1.38kg, 5.52kg**
Flash Point **Not Applicable - Water Based**	UN Number **1263**
Dangerous Goods Class **Not Classified as Dangerous Goods**	Package Group **N/A**

Disclaimer

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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.

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AUDU00119 Dulux Precision Maximum Strength Adhesion Primer

Introduction

Part A
51WD0072

Description and Image

Dulux PRECISION Maximum Strength Adhesion Primer is specifically formulated to bond to a variety of 'tough to paint' surfaces which typically resist coatings. It provides a sound base for topcoats while reducing or potentially eliminating the need for sanding dense, glossy surfaces. With excellent adhesion properties, it is suitable as a primer, sealer and undercoat. Use Dulux PRECISION Maximum Strength Adhesion Primer where ensuring a secure bond is critical in situations when performance of a traditional oil or water based primer may be questionable. Suitable for interior & exterior applications, including varnished timber.

Features and Benefits

- Water Based
- Low Odour
- Creates a strong bond for topcoats
- Primes interior & exterior surfaces
- Superior adhesion to glossy surfaces
- Adheres to surfaces that typically resist coatings
- Fast drying - touch dry 30min, re-coat 1 hr
- Use under Dulux acrylic & oil based topcoats

Uses

Tiles
High gloss enamels
Varnished Timber
uPVC
Fibreglass
Aluminium
Galvanized steel
Colorbond

Precautions and Limitations

IMPORTANT! DO NOT OPEN CAN WITHOUT READING INSTRUCTIONS
DO NOT USE ON FLOORS, BENCHTOPS OR AREAS SUBJECT TO PONDING WATER
KEEP FROM FREEZING

All preparation and painting must conform to AS/NZS 2311:2009 Guide to the painting of buildings. NB: This Standard provides a guide to products and
procedures for the painting of buildings for general domestic, commercial and industrial use. The Standard does not include a specific recommendation for the
long-term protection of iron or steel exposed directly to the atmosphere or to internal climates likely to have aggressive environments which are dealt with in
AS/NZS 2312.

Only apply if surface, air and product temperatures are between 10°C and 32°C.
Do not apply if the surface temperature is below 10C or conditions indicate it will fall below10C during the drying period.
For difficult surface priming applications do not tint
For difficult surface priming applications do not thin unless absolutely necessary. Maximum addition of 100 mls per 1 Litre

Finishing: Topcoat within 30 days to prevent contamination of the primer before painting.

Precision Maximum Strength Adhesion Primer can be used where ensuring a secure bond is critical in situations when performance of a traditional water or oil-base primer may be questionable. For interior and exterior use on a variety of surfaces including; Kynar®, Fluoroset®, uPVC, Vinyl (unplasticised), Formica®, Laminex®, glass, tile, glazed brick, chalky paints, glossy finishes, fiberglass and metals.

Not recommended for floors or horizontal surfaces or areas subject to prolonged water contact.

Precision Maximum Strength Adhesion Primer may be used under epoxies, lacquers and products containing Xylene or other "hot" solvents, provided it's allowed to dry for 24 hours before top-coating and tested for compatibility in an inconspicuous area before full coat application.

When used under solvent based enamel paints Precision Maximum Strength Adhesion Primer MUST be sanded prior to application of the top coat.

When used under water based top coats containing high levels of slow evaporating coalescing solvents, allow Precision Maximum Strength Adhesion primer to dry for at least 2 hours before applying the first layer of top coat.

Precision Maximum Strength Adhesion Primer will gain full strength in 7 days after application.

Performance Guide

Weather **Excellent when used as part of an approved system**	Salt **Resistant to intermittent exposure to salt as part of a suitable system.** **Not to be used as a primary corrosion resistant primer on reactive metals**
Heat Resistance **Up to 100C. This material is permanently thermoplastic. Prolonged use at temperatures above 80C is not recommended.**	Water **Excellent resistance to condensation and water splash as part of a system**
Solvent **Precision Maximum Strength Adhesion Primer is resistant to products containing Xylene and other "hot" solvents, provided it is allowed to dry for 24 hours before top-coating**	Abrasion **Good when top coated** **Designed to be sandable**
Acid **Resistant to intermittent exposure to mild acid as part of a suitable system**	Alkali **Resistant to intermittent exposure to mild alkali as part of a suitable system**

Typical Properties	
Gloss Level **Flat**	Thinner **Water**
Colour **White, Do Not Tint**	
Components **1**	Number of Coats **1 For smooth surfaces.**
Toxicity **Lead Free, Dry Film is non toxic**	V.O.C. Level **30.4 g/lt**
Shelf Life **2 years from date of manufacture**	Meets GBCA 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.
Sanding Properties **Sandable when dry - 2 hours**	
Touch Dry **30 Minutes**	
Clean Up **Water**	
Clean Up Description Clean up brushes immediately after use with water and finish with a clean in water with a mild detergent then a full water rinse Clean any wet overspray or spillage with water. Clean any dry overspray or spillage with mineral turpentine.	
Application Methods **Air Spray** **Airless Spray** **Brush** **Roller** Airless Spray: Tip: 0.015" - 0.021" Filter: 60 Mesh Fluid Pressure: 2,500 - 3,200 psi Roller: Smooth surfaces: 9-12mm Porous surfaces: 12- 19mm Brush: Nylon/ Polyester Blend	

Application Conditions	Solids by Volume		
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	Min	Max	Recommended
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Clean bare metal in accordance with specific recommendations for the long-term protection of iron or steel which are dealt with in AS/NZS 2312.
Peeling or Cracked Paint: Scrape off loose paint and sand to a smooth surface. Sanding or removal of paint containing lead is hazardous.
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For spray applications, a small amount of water (no more than 100mls per 1 Litre) may be added.
Stir thoroughly before and occasionally during use.

Health and Safety

SDS Number **DLXGHSEN001275**	SDS Link
SDS Number **FOR DETAILED INFORMATION REFER TO THE PRODUCT**	SDS Link
SDS Number **LABEL AND THE CURRENT MATERIAL SAFETY DATA**	SDS Link
SDS Number **SHEET AVAILABLE THROUGH CUSTOMER SERVICE.**	SDS Link
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Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

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Notes to physician: Treat symptomatically.

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Transport and Storage

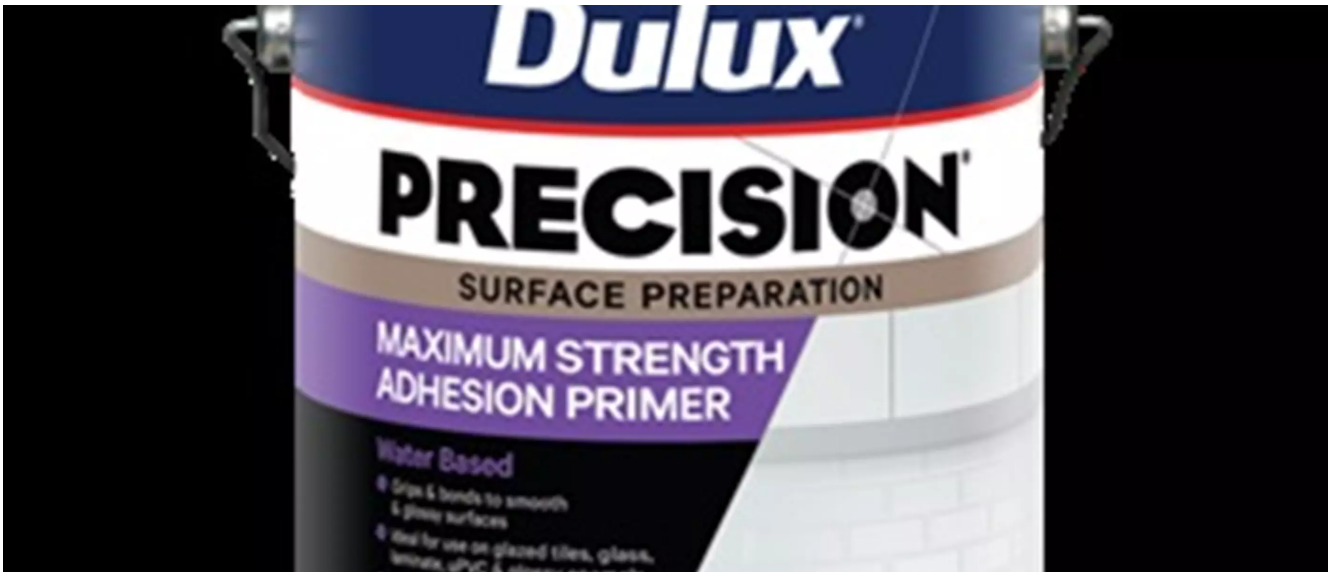
Pack A

Precision Maximum Strength Adhesion Primer 51W-D0072

Size:	Weight:
1 Litre, 4 Litre	**1.38kg, 5.52kg**

Flash Point	UN Number
Not Applicable - Water Based	**1263**
Dangerous Goods Class	Package Group
Not Classified as Dangerous Goods	**N/A**

Images



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