

**Dulux AcraTex Roof Membrane Satin / Roof Primer MX on New Zinc Coated Steel/Galvanised Steel (Domestic) [Exterior] AU\_SA14074**

**Description**

DULUX AcraTex ROOF Membrane Satin for weathered un-coated Long Span commercial roofing in good condition.









DULUX AcraTex Roof Membrane Satin system is a high build, pigmented, water based, 100% acrylic coating and is specifically formulated for low dirt pickup, in a high gloss finish added mould, algae protection in a gloss finish when used in conjunction with Roof Primer MX.





DULUX AcraTex Roof Membrane Satin is used as a protective coating over properly prepared metal roofs. It provides a durable coating system that ensures high colour consistency, significantly improving washability, reducing dirt accumulation, mould and algae, pollution and chemical attack.

Dulux AcraTex Roof Membrane Satin is recommended for recoating of weathered Colorbond, primed Galvanised Iron and Zincolume roofing and suitably primed concrete roof tiles. It is NOT recommended for coating of terracotta tiles.

<b>Substrate And Substrate Preparation</b>	
<b>Substrate Notes:</b>	<p>ZINC COATED STEEL (Galvanised Iron, Galvanised Steel)</p> <p><b>SUBSTRATE DESCRIPTION</b></p> <p>GALVANISED STEEL (Zinc Coated Steel, Galvanised Iron)</p> <p>Steel dipped in molten zinc or zinc alloy. Hot dipped galvanised steel has been coated in zinc only. The zinc layer provides galvanic corrosion protection in much the same way that zinc rich primers do, by corroding in preference to the steel with which it is in contact. New galvanised iron, zinc and zinc-alloy surfaces should be examined for flux residues, light roll-forming oils, and foreign matter, all of which must be removed. Surfaces that show white rust or other corrosion products should be cleaned and treated appropriately. Zinc corrosion products are the major cause of paint delamination. Zinc and zinc-alloy coated surfaces must not be primed with alkyd based paints due to chemical reaction between the zinc and the alkyd resin.</p> <p>Dulux advises that galvanised steel can be particularly difficult to paint and protect because of the highly reactive nature of galvanising, particularly in coastal and chemical environments. More information on this matter can be found through our associated industry bodies such as the Zinc Rich Coatings Council (ZRCC) or the Australasian Corrosion Association via the Dulux protective coatings website "www.duluxprotectivecoatings.com.au"</p> <p>Dulux advises that in many circumstances superior corrosion protection and superior compatibility with topcoats can be achieved by the use of Dulux zinc-rich, two-pack primer on mild steel instead of hot dipped galvanising. Please consult a Dulux Protective Coatings representative for specific requirements.</p> <p>Given that there will always be a requirement to change the aesthetics of galvanising, the specification below is provided in good faith to minimise the risks associated with painting galvanised steel structures.</p> <p><b>ZINC METAL SPRAY</b></p> <p>Steel sprayed with molten zinc metal. The zinc layer provides corrosion protection in much the same way as hot dipped galvanised steel.</p>
<b>Substrate Preparation Notes:</b>	<p>PZC012 - ZINC COATED STEEL, GALVANISED STEEL</p> <p>MINOR DOMESTIC GALVANISED STEEL</p> <p><b>CLEAN</b></p> <p>Remove all surface contamination such as oil, grease or dirt by alkaline detergent solution wash, using stiff bristle brush or broom, and rinse with fresh potable water. Alternatively use high-pressure water blast. Repeat until the surface is clean. A clean surface is indicated when the rinsing water wets out the surface instead of beading on the surface.</p> <p><b>ABRADE</b></p> <p>Abrade surface thoroughly using an abrasive nylon pad (such as a Scotchbrite scourer) to remove gloss and to provide a suitable key for the coating system to adhere to. Care must be taken so as not to damage the zinc layer. Wash down residues and allow the surface to dry.</p> <p><b>PRIME</b></p> <p>The clean and dry surface must be primed as soon as practical after preparation before the surface oxidises or becomes recontaminated.</p> <p><b>COMMERCIAL/INDUSTRIAL GALVANISED STEEL</b></p> <ol style="list-style-type: none"> <li>1. Remove all surface contamination such as oil, grease or dirt by washing with an alkaline detergent and rinse with fresh potable water. Repeat until the surface is clean. A clean surface is indicated when the rinsing water wets out the surface instead of beading on the surface. Refer to relevant sections of AS1627.1 2003 Part 2.</li> <li>2. Dry abrasive "brush blast" clean (whip blast) the surface using a non-metallic abrasive such as garnet. The abrasive size and blast pressure shall be such that all zinc corrosion products and other surface contaminants are completely removed and that the surface is lightly profiled to provide a suitable key for the coating system to adhere to but with minimal reduction in the galvanised coating thickness (no more than 10 microns).</li> <li>3. If the item being painted is not suitable for brush blasting (eg zinc coated, sheet steel cladding) then use non-metallic abrasive sanding pads to remove any existing corrosion and provide a suitable key for coating adhesion. Note that this preparation method is likely to be less effective than brush blasting and should only be used where brush blasting is not suitable.</li> <li>4. Remove all spent abrasive and residual dust using dry compressed air or, preferably, vacuum cleaning prior to application of the coating. Avoid handling blasted galvanised steel with bare hands.</li> <li>5. If the zinc coating has been accidentally removed, spot repair all such areas using a zinc rich primer compatible with the coating system.</li> <li>6. Inspect the surface prior to coating to ensure no contamination is present and no surface defects exist.</li> <li>7. If either contaminants or defects are present, rectification is required before any coating is applied.</li> <li>8. Apply first or primer coat as soon as practical after preparation and before the surface oxidises or becomes re-contaminated.</li> </ol>
<b>Additional Notes:</b>	<p><b>Surface Preparation</b></p> <p>Inspect roof condition. This will determine the required preparation.</p> <p>Where required, replace rusted fixing and /or badly rusted sheets.</p> <p>Substrate condition must be of consistent density/integrity and not subject to continual wetting or other conditions that may cause premature coating failure.</p> <p>Unweathered metal will require de-greasing</p> <p>High pressure water blast, to a minimum of 3000 PSI to remove dirt, excess grime, lichen/moss, oil (a detergent maybe required) and all other contaminants in accordance with AS1627.1.</p> <p><b>AIRLESS SPRAY</b></p> <p>Standard airless spray equipment such as a Graco 695 to1095 with a fluid tip of 19-21 thou (0.48-0.53mm) and an air supply capable of delivering 550-690 kPa (80 -100 psi) at the pump.</p> <p>Thinning is not normally required.</p> <p>Note: Ensure all down pipes or water connection points are disconnected prior to commencement of cleaning.</p>

Coating System Summary	
<b>Primer:</b>	AU_DA01888: Dulux AcraTex Roof Primer MX Semi Gloss
<b>2nd Coat:</b>	AU_DA02474: Dulux AcraTex Roof Membrane Satin
<b>3rd Coat:</b>	AU_DA02474: Dulux AcraTex Roof Membrane Satin
Please refer to the coating system details below	

Coating System			
<b>Coat Type:</b>	<b>Primer</b>	<b>Datasheet:</b>	<b>AU_DA01888 Dulux AcraTex Roof Primer MX Semi Gloss</b>
<b>Application Methods:</b>	   	Air Spray Airless Spray Brush Roller	
		<b>Min</b>	<b>Max</b>
<b>Theoretical Spread Rate *</b>		11	8.5
<b>Wet Film Per Coat (microns)</b>		92	118
<b>Dry Film Per Coat (microns)</b>		35	45
<b>Recoat Time **</b>		4 Hours	Indefinite
<b>Coating Application Details:</b>	<p>Recommended application is by airless spray using a 17-19 thou tip and at a spraying pressure of 2000 psi. (Spray pressure will very dependent of equipment make and model applicators may need to adjust accordingly).</p> <p>NOTE: As the surface area of a profiled roof is greater than an equivalent flat roof surface, additional material should be allowed for.</p> <p>Product should be thoroughly mixed before use. Refer to the DULUX AcraTex 962 Application Manual for detailed application instructions.</p> <p>The Roof Membrane system comprises of substrate cleaning and preparation, use of DULUX AcraTex 500/10 PrepTreat to kill all moss and algal and lichen, Primer, followed by 2 coats (minimum) of DULUX AcraTex 962 Roof Membrane. Stir contents thoroughly with a broad flat stirrer, using a stirring, lifting action. Airless Spray: Suitable for application by all standard spray equipment. If necessary thin up to 50 ml per litre with water to aid atomisation. Brush/Roller: Apply an even coat to the prepared surface direct from the can.</p>		
<b>Additional Coating Details:</b>	Thinning is not normally required.		
<b>Coat Type:</b>	<b>2nd Coat</b>	<b>Datasheet:</b>	<b>AU_DA02474 Dulux AcraTex Roof Membrane Satin</b>
<b>Application Methods:</b>	   	Air Spray Airless Spray Brush Roller	
		<b>Min</b>	<b>Max</b>
<b>Theoretical Spread Rate *</b>		6	5
<b>Wet Film Per Coat (microns)</b>		168	200
<b>Dry Film Per Coat (microns)</b>		67	80
<b>Recoat Time **</b>		2 hrs	indefinite
<b>Coating Application Details:</b>	<p>Airless spray</p> <p>0.0019 - 0.0021 thou Spray Tip</p> <p>NOTE: As the surface area of a profiled roof is greater than an equivalent flat roof surface, additional material should be allowed for.</p> <p>Product should be thoroughly mixed before use. Refer to the DULUX AcraTex 962 Application Manual for detailed application instructions.</p> <p>The Roof Membrane system comprises of substrate cleaning and preparation, use of DULUX AcraTex PrepTreat to kill all moss and algal and lichen, consolidating sealer, followed by 2 coats (minimum) of DULUX AcraTex 962 Roof Membrane Satin.</p> <p>SEALER COAT Refer to DULUX AcraTex 501 Roof Sealer or Roof Primer datasheet</p> <p>ROOF MEMBRANE APPLICATION</p> <p>Apply the first coat of DULUX AcraTex 962 Roof Membrane Satin by airless spray in accordance with Roof Membrane Application Manual.</p> <p>Apply second coat of DULUX AcraTex 962 Roof Membrane Satin in accordance with Roof Membrane specification</p>		
<b>Additional Coating Details:</b>	Thinning is not normally required.		

<b>Coat Type:</b>	3rd Coat	<b>Datasheet:</b>	AU_DA02474 Dulux AcraTex Roof Membrane Satin	
<b>Application Methods:</b>	   	Air Spray Airless Spray Brush Roller		
		<b>Min</b>	<b>Max</b>	<b>Recommended</b>
<b>Theoretical Spread Rate *</b>		6	5	6
<b>Wet Film Per Coat (microns)</b>		168	200	167.5
<b>Dry Film Per Coat (microns)</b>		67	80	67
<b>Recoat Time **</b>		2 hrs	indefinite	
<b>Coating Application Details:</b>	<p>Airless spray</p> <p>0.0019 - 0.0021 thou Spray Tip</p> <p>NOTE: As the surface area of a profiled roof is greater than an equivalent flat roof surface, additional material should be allowed for. Product should be thoroughly mixed before use. Refer to the DULUX AcraTex 962 Application Manual for detailed application instructions.</p> <p>The Roof Membrane system comprises of substrate cleaning and preparation, use of DULUX AcraTex PrepTreat to kill all moss and algal and lichen, consolidating sealer, followed by 2 coats (minimum) of DULUX AcraTex 962 Roof Membrane Satin.</p> <p><b>SEALER COAT</b> Refer to DULUX AcraTex 501 Roof Sealer or Roof Primer datasheet</p> <p><b>ROOF MEMBRANE APPLICATION</b></p> <p>Apply the first coat of DULUX AcraTex 962 Roof Membrane Satin by airless spray in accordance with Roof Membrane Application Manual.</p> <p>Apply second coat of DULUX AcraTex 962 Roof Membrane Satin in accordance with Roof Membrane specification</p>			

### Comments

- Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (e.g. wind).

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

Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.

Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.

Dry times apply to a single coat at recommended spread rate and at 25°C and 50% Relative Humidity

Allow longer times under cool, moist, or still conditions and or when applied at high film builds.

Protect from dew, rain and frost for 48 hours when apply at the recommended spread rate.

Avoid application in hot, windy conditions or on hot surfaces cool the surface by hosing with water and paint the cool damp surface.

When using Bright Reds, Oranges, Blues and Yellows or where very light (or dark) colours are applied over highly contrasting colours an extra coat maybe required.

Dulux recommend full coating systems including a top coat. For ALL systems the Texture &/or Base Coat should be tinted in accordance with AcraTex Tint Guide to the specified membrane top coat colour (or a colour as close as possible to the specified colour as product and tint rules allow).

Application techniques should be adjusted to achieve the recommended DFT and finishing standard.

To avoid "Picture Framing" of texture topcoats "wet on wet" cutting in & coating technique is recommended or apply multiple coats thinning the first coat.

At Commencement of coating system application to the substrate it shall be deemed that the Applicator has certified that the surface which it is to be applied to is fit to receive the specified coating(s) system.

When the Applicator is preparing the site sample for approval he should advise the Project Superintendent if the substrate condition is not of sufficient standard to produce the specified finish.

Where possible avoid dark colours - these will give raise to much higher surface temperature that may cause addition thermal stress and cooling demand to the building envelope and/ or require extra engineering considerations (greater building costs).

Consult Dulux on the potential to use InfraCOOL Heat Reflective Coatings that will keep the surface cooler "like for like" colour.

#### Glancing light

Joints and panel deformation may be clearly evident under glancing light, casting visible shadows of the minute and uneven projections of the joints.

Glancing light is light that is nearly parallel to the surface of the wall and casts visible shadows and uneven projections of the joints. Just like rendered masonry/ Jointed system any uneven projections will be highlighted and as such are outside the control / scope of this specification. Refer

[http://www.dulux.com.au/pdf/tech-advice/DLX\\_TECH\\_Glancing-Light.pdf](http://www.dulux.com.au/pdf/tech-advice/DLX_TECH_Glancing-Light.pdf)

The coastal area is considered a marine environment and as such salt potentially can shorten the life of the coating systems. Care needs to be taken to wash down all areas twice. Once to remove surface contaminants, and raise salts to the surface and then secondly to remove these salts. Due to the locality, Weather conditions and lag time between applications of the coating system it may require the need to wash again, between coats.

This specification is to be read in conjunction with DULUX product data sheets

A DULUX warranty can be provided on request, when the FULL AcraTex system including a membrane topcoat/s is applied by a DULUX AcraTex trained applicator, according to specification, & at the specified spreading rates, & to the surface preparation details described in the DULUX AcraTex Specification Manual.

The dynamics of the substrate is outside the control of Dulux Australia and as such joint deformation or cracking is excluded from warranty terms. Colour change is a natural part of a coating weathering and is excluded from warranty terms

Refer warranty document for full terms and conditions.

Fungi and Algae can exist on virtually any surface (even glass) provided the right conditions for growth are met.

Visible growth on painted surfaces is typically caused by contaminants present together with the presence of high enough levels of moisture to support growth.

Agents in paints become ineffective where they cannot "touch" the growth source (eg where growth emanates from deposits on the film). Additionally the active agents are "consumed" in the process such that protection is time limited where conditions support ongoing growth performance is greatly improved with the inclusion of a membrane Top coat like AcraShield, Elastomeric 201 or AcraSkin.

Refer: <http://www.dulux.com.au/specifier/our-brands/dulux-acratex/more-than-just-render>

The exterior texture coatings should be cleaned on a regular basis. This will help maintain your overall aesthetic appearance and preserve your AcraTex Texture coating system. Cleaning once every year will remove light soil as well as grime and airborne pollutants refer Dulux AcraTex Care & Maintenance Guide

<http://www.dulux.com.au/specifier/our-brands/dulux-acratex/acratex-care-and-maintenance>

When using this specification, the Applicator shall maintain records in accordance with AS 3894 Parts 10, 11 and 12 and others as required by the Project Manager. These records shall be made available for inspection at any time by the Project Manager or authorised representative and submitted to the Principal Contractor upon completion of work.

When using this specification, the Applicator shall maintain records in accordance with AS 3894 Parts 10, 11 and 12 and others as required by the Project Manager. These records shall be made available for inspection at any time by the Project Manager or authorised representative and submitted to the Principal Contractor upon completion of work.

#### SURFACTANT LEACHING FROM EXTERIOR WATER-BASED COATINGS

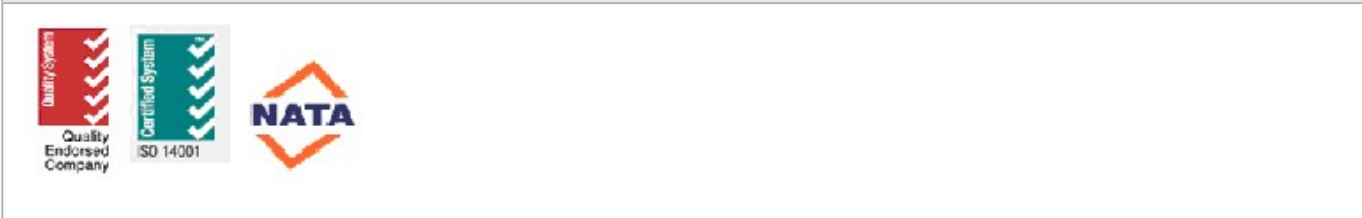
Occasionally amber, clear or white spots/streaks are seen on a newly painted surface within the first few weeks after application. They usually appear after light rain or overnight dew and generally located in sheltered areas or areas with limited sun exposure. Under normal conditions surfactant contained in the tinted paint colour is slowly leached to the surface and washed away by rain leaving no trace and is a normal part of drying of any exterior water-based paint. Under certain atmospheric conditions and these surfactants leach or migrate to the paint surface, is concentrated forms and leaves clear or white deposits upon drying. These conditions include cool or humid weather or painting cold substrate and in most cases these marks on the wall surfaces are more noticeable on dark colours, such as browns or dark greens, etc..

The clear/white surfactants that have migrated to the wall surface areas will cause no down grading nor performance changes or long term durability concerns of the paint films integrity and unfortunately have become an appearance issue instead.

They easily removed from the paint film within a week or so of their appearance by washing with warm water & commercial grade detergent or via Nifti or Spray'n'Wipe followed by rinsing with fresh clean water.

Under severe conditions they may reappear once or twice until all the surfactant has been removed. It will be less noticeable each time, and can be removed in the same manner as before. Refer [http://www.dulux.com.au/pdf/tech-advice/DLX\\_TECH\\_Leaching.pdf](http://www.dulux.com.au/pdf/tech-advice/DLX_TECH_Leaching.pdf)

#### Images



#### Disclaimer

Dulux, Selleys and Other marks followed by ® are registered trademarks. Marks followed by the symbol of ™ are trademarks.

The data provided within the Duspec system is correct at the time of publication, however it is the responsibility of those using this information to check that it is current prior to specifying or using any of these coating/product systems.

DISCLAIMER: Any advice, recommendation, information, assistance or service provided by any of the divisions of DuluxGroup (Australia) Pty Ltd or its 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. Coating/product systems can be expected to perform as indicated on the Duspec Spec Sheet so long as applications and application procedures of the individual products are followed as recommended on the appropriate Product data Sheet. "DuluxGroup" "Dulux" "Selleys" "Berger" "Berger Gold Label" "Hadrian" "Walpamur" "Levene" "AcraTex" and Other marks followed by ® are registered trademarks of DuluxGroup (Australia) Pty Ltd ABN 67 000 049 427. Marks followed by the symbol ™ are trademarks.

Please note that this document is only valid for 60 days from the date of issue.

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