

**Dulux AcraTex 968 AcraSkin Low Gloss**

**AUDA1392**

<b>Part A</b>	19485675-77	<b>Approvals</b>	AS4548.1, AS4548.2 : Long Life Coatings for Masonry
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<b>Product Overview</b>
DULUX AcraTex AcraSkin is a high performance weather proofing, highly flexible, Elastomeric Membrane coating that can be applied by conventional nap roller or low profile texture roller. Conforms to Australian Standard AS4548 Long Life Coatings for Masonry, Category 1 and 2

<b>Features And Benefits</b>	
<ul style="list-style-type: none"> <li>• High Solids - High Film Build</li> <li>• Flexibility</li> <li>• Crackbridging</li> <li>• Water Resistance</li> <li>• Vapour Permeability (Breathability)</li> </ul>	<ul style="list-style-type: none"> <li>• Guaranteed long term exterior durability.</li> <li>• 300%</li> <li>• 9 times Dry Film Thickness</li> <li>• Extremely low water transmission</li> <li>• 54.8 g / 24 hr / sqm (Resistance to blistering)</li> </ul>

<b>Uses And Typical Specifications</b>	
<b>Uses</b>	<p>DULUX AcraTex AcraSkin has been developed for use as a Masonry Protective Coating, providing weatherproofing and optimum crackbridging performance. It provides a finish with excellent water resistance &amp; barrier properties against moisture ingress, carbonation and surface cracking, at the same time significantly improving the buildings aesthetics.</p> <p>DULUX AcraTex AcraSkin is ideal where a mid build, Elastomeric system is required with ultimate flexibility and resistance to water ingress.</p> <p>Dulux AcraTex AcraSkin is suitable for use as a stand-alone protective Membrane system (suitably primed), or as a performance Shield-Membrane over Dulux AcraTex Texture Coatings to elevate total system performance.</p>
<b>Typical Systems</b>	<p><b>Typical System</b> Typical Sytem for site mixed or Pre Bagged Cement Renders where maximum Crack bridging is required</p> <p><b>Preparation Guide</b> PBK019 - BRICK / BLOCKWORK AND MASONRY</p> <p><b>ASSESS SUITABILITY</b> Concrete, mortar and cement based products need to be fully cured for at least 28 days before painting.</p> <p><b>REMOVE POWDER LAYERS &amp; EFFLORESCENCE</b> Remove any powdery layers, laitance or efflorescence by detergent cleaning, wire brushing, water blasting or a suitable chemical treatment.</p> <p><b>CLEAN</b> Clean the surface thoroughly by water blasting or detergent cleaning, where a commercial cleaner is added to hot or cold water and surface is washed / scrubbed thoroughly with a stiff bristle broom and then rinsed clean with fresh water. This may need to be repeated on extremely dirty surfaces to ensure removal of efflorescence or other poorly bonded surface material. Ensure that the surface is dry, clean and free from dust.</p> <p><b>REPAIR SURFACE IMPERFECTIONS</b> Fill any cracks or surface imperfections with a suitable filler or patching compound. Any gaps resulting from structural movement should be filled with sikadur 31 a two pot epoxy and applied into the crack and smoothed off with a margin trowel.</p> <p><b>RENDERING OF NEW BRICK/BLOCKWORK &amp; MASONRY (WHERE SPECIFIED TO LEVEL THE BRICK/MORTAR PATTERN)</b> : Trowel apply a basecoat of Dulux AcraTex Renderwall over entire substrate at approximately 6mm to 8mm in thickness until flush. A Screed or darby may be used to level the renderwall prior to floating with a plastic or wooden float. Renderwall can be applied at a thickness as low as 4mm ( with addition of Acrabond a 100% acrylic resin at 250ml per mix) or above 12mm ( in two successive coats) relative to the degree of cover required, if desired 150grams Alkali mesh maybe embedded into the base coat.</p> <p><b>COATING CONSIDERATIONS FOR NEW RENDERS</b> All renders produce surface cracking whilst drying &amp; curing which continue to expand &amp; contract during daily temperature fluctuations allowing water ingress and causing potential discolouration and coating failure. The specified coating needs to accommodate the renders thermal dynamics, protect from atmospheric pollutants, salt air, water ingress, alkali attack, dirt accumulation and carbon dioxide. Recommendation is a High Build Acra-Tex Elastomeric Coating System. Dark colours increase expansion/contraction of a substrate due to heat absorbed and should be avoided where possible or extra design relief should be added to building's design. 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.</p>

Coat	Product	Spread Rate (m <sup>2</sup> /L)	WFT (micron)	DFT (micron)
1st Coat	Green Render Sealer	8	47	20
2nd Coat	968 AcraSkin	4	244	125
3rd Coat	968 AcraSkin	4	244	125

**Minimum System DFT** 270



**Notes** 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.  
 Do not apply paint if the temperature is below 10°C or likely to fall below 10°C during the drying period.  
 This specification is to be read in conjunction with DULUX product data sheets  
 When using this specification, the Applicator shall maintain records in accordance with AS3894 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.  
 NOTE - When brushing and rolling additional coats may be required to attain the specified thickness.  
 This is an abridged specification and must be read in conjunction with the appropriate Product Data Sheets and relevant Australian Standards.  
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 Dark colours increase expansion/contraction of a substrate due to heat absorbed and should be avoided where possible or extra design relief should be added to building's design or consult Dulux on the potential to use InfraCOOL Heat Reflective Coatings that will keep the surface cooler  
 CEMENT RENDERS PRODUCE FINE CRACKS DURING DRYING AND CONTINUE TO CRACK & MOVE WITH VARIATIONS IN TEMPERATURE.  
 FOR ENHANCED PERFORMANCE USE A HIGH BUILD ELASTOMERIC (FLEXIBLE) COATING.  
 A DULUX warranty will be provided confirming protection against flaking & peeling for a period of Fifteen years when this full AcraTex system 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.

## Precautions And Limitations

To ensure colour uniformity and for optimum performance, Dulux recommend a full coating system including a MEMBRANE top coat. For ALL systems the Texture &/or Base Coat should be tinted in accordance with AcraTex Tint Guide to the specified top coat colour (or a colour as close as possible to the specified colour as product and tint rules allow). **IMPORTANT:** Not all colours are suitable for exterior use. This product data sheets is to be read in conjunction with DULUX specification. Ensure that you have adequate tinted stock to complete the job in one application. All material must be thoroughly cross-mix to ensure tint uniformity. It is recommended to hold a volume of finish material for future maintenance touch-ups

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

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

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.

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.

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.

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.

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.

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.

**CEMENT RENDERS PRODUCE FINE CRACKS DURING DRYING AND CONTINUE TO CRACK & MOVE WITH VARIATIONS IN TEMPERATURE.**

**FOR ENHANCED PERFORMANCE USE A HIGH BUILD ELASTOMERIC (FLEXIBLE) COATING.**

**DULUX RECOMMENDS THE USE OF DULUX ACRASHIELD ADVANCE.**

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 Dulux AcraTex AcraShield Advance, 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. Refer <http://www.dulux.com.au/specifier/our-brands/dulux-acratex/acratex-care-and-maintenance>

### 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'nWipe 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)

System Performance Testing Data				
Test Result Name	Test Method	Unit of Measure	Result	Comments
Carbon Dioxide Diffusion Resistance	AS 4548.5 Appendix D	cm <sup>2</sup> per sec	2.5 x 10 <sup>-07</sup>	Independent Test Results Diffusion resistance coefficient (u) = 666200 Equivalent thickness of Concrete (Sc) = 83cm Equivalent air layer thickness (R) = 333m
Chloride Ion Diffusion Resistance	AS 4548.5 Appendix E	cm <sup>2</sup> per sec	0.8 x 10 <sup>-12</sup>	Independent Test Results
Water Vapour Transmission	AS 4548.5 Appendix C	g/m <sup>2</sup> /24hr	54.8	Independent Test Results Vapour Diffusion coefficient of film = 1.6x10 <sup>-04</sup> cm <sup>2</sup> sec Vapour resistance coefficient (u) = 1550 Permeance of film = 4.3x10 <sup>-07</sup> g/Pasm <sup>2</sup> Equivalent air layer thickness (Sd) = 1m
Water Transmission Resistance	AS 4548.5 Appendix C	g/m <sup>2</sup> /24hr/kPa	<1	Independent Test Results
Crack Bridging Ability "B"	AS 4548.5 Appendix F	x Film Build	9.3	Independent Test Results Static Test Test Speed of 0.5mm/min Test Temp =23+/-3 degrees
Wind Driven Rain	ASTM D6904	Pass / Fail	Pass No Leaks	Independent Test Results  24h –exposure to continuous water spray (rain) and a dynamic pressure equivalent to a 98mph wind velocity
Tensile Strength	AS1145	MPa	1.58	Independent Test Results
Heat & Smoke Release Rate	AS3837	m <sup>2</sup> /kg	29.9	Independent Test Results @ Irradiance level of 50-kW/m <sup>2</sup> Group 1 Classification
Elongation	AS 4548.1	%	308	Independent Test Results Specimen type 2 Test speed 50mm/min

Performance Guide			
<b>Weather</b>	Excellent resistance to cracking, flaking and chalking.	<b>Salt</b>	Resists salt spray.
<b>Heat Resistance</b>	Up to 90C (dry).	<b>Water</b>	Watertight Film - extremely low water transmission
<b>Solvent</b>	Resists alcohol and aliphatic hydrocarbons. Sensitive to other strong solvents.	<b>Abrasion</b>	Good resistance to abrasion.
<b>Acid</b>	Slightly softening with dilute acids.	<b>Alkali</b>	New Cement / Concrete surfaces should be allowed to cure for 28 days to stabilise alkalinity

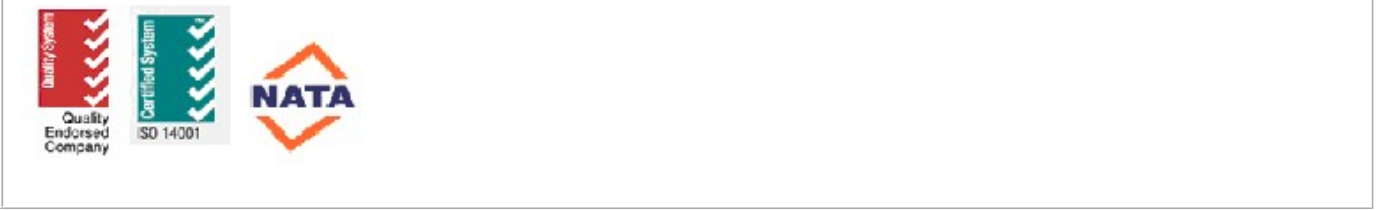
Typical Properties																						
<b>V.O.C Content</b>	< 46 g/L untinted	<b>Full Cure (25C, 50% R.H)</b>	7 Days																			
<b>Clean Up</b>	Clean up water Clean all equipment with water.																					
<b>Meets GBCA VOC Requirement?</b>	N/A																					
<b>Application Method</b>	 Airless Spray  Brush  Roller																					
<b>Application Conditions</b>	<b>Solids By Volume</b> 51.25  <table border="0"> <tr> <td></td> <td style="text-align: center;"><b>Min</b></td> <td style="text-align: center;"><b>Max</b></td> <td style="text-align: center;"><b>Recommended</b></td> </tr> <tr> <td><b>Wet Film Per Coat (microns)</b></td> <td style="text-align: center;">244</td> <td style="text-align: center;">488</td> <td style="text-align: center;">322</td> </tr> <tr> <td><b>Dry Film Per Coat (microns)</b></td> <td style="text-align: center;">125</td> <td style="text-align: center;">250</td> <td style="text-align: center;">165</td> </tr> <tr> <td><b>Recoat Time (min)</b></td> <td style="text-align: center;">4 Hours</td> <td style="text-align: center;">Indefinite</td> <td></td> </tr> <tr> <td><b>Theoretical Spread Rate (m<sup>2</sup>/L)</b></td> <td style="text-align: center;">4.1</td> <td style="text-align: center;">2.1</td> <td style="text-align: center;">3.1</td> </tr> </table>		<b>Min</b>	<b>Max</b>	<b>Recommended</b>	<b>Wet Film Per Coat (microns)</b>	244	488	322	<b>Dry Film Per Coat (microns)</b>	125	250	165	<b>Recoat Time (min)</b>	4 Hours	Indefinite		<b>Theoretical Spread Rate (m<sup>2</sup>/L)</b>	4.1	2.1	3.1	
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Application Guide	
<b>Surface Preparation</b>	<ul style="list-style-type: none"> <li>All surfaces must be cured, clean, sound and free of all contaminants such as form oils, release agents and mortar splashes. Surface imperfections, misalignments and protrusions must be levelled and patched and completely flush to surrounding surfaces. Metal, tie wire, etc. on surface must be removed or treated against corrosion.</li> <li>Prime substrate with DULUX AcraTex AcraPrime SB. Ensure that it is cured completely and covers the substrate evenly. Patch with DULUX AcraTex 500 AcraPatch after priming, and then prime using DULUX AcraTex AcraPrime WB.</li> </ul>
<b>Application Procedure And Equipment</b>	<ul style="list-style-type: none"> <li>Brush, Roller, Medium Textured Roller, Airless Spray.</li> <li>Product should be thoroughly mixed before use.</li> <li>Refer to the DULUX AcraTex Application Manual for detailed application instructions.</li> </ul> <p>NAP ROLLER finish: Apply 2 coats (minimum) using a 10 - 20mm Nap roller at 4 sq.m / litre</p> <p>LOW PROFILE TEXTURE (requires higher material consumption): Apply 1 coat with a low profile black Texture Roller at 2-3 sq.m / litre Apply a 2nd (finishing coat) with a nap roller at 4 sq.m / litre</p> <ul style="list-style-type: none"> <li>When cutting in edges , brush and roll-in a continuous process to avoid differences in gloss level.</li> </ul> <p>Application on single areas should be completed uninterrupted. All independent tests are available on request.</p>

Health And Safety			
<b>MSDS Number</b>	DLX001296	<b>Using Safety Precautions</b>	Wear eye protection and when spraying wear an appropriate respiratory mask
<b>MSDS Link</b>	<a href="https://go.lupinsys.com/duluxgroup/harms/public/materials/35f7010af1be44e6a8669efe41dfe5c3-published/individual">https://go.lupinsys.com/duluxgroup/harms/public/materials/35f7010af1be44e6a8669efe41dfe5c3-published/individual</a>		
<b>Health Effects</b>	<p>For detailed information refer to the product label and the current Material Safety data Sheet available through Dulux Sales and Customer Service Offices 13 25 25 AUS. For emergencies, please call Australia 1800 220 770 or New Zealand 0800 220 770.</p> <p>Ensure adequate ventilation. Take suitable safety precautions while preparing your surface or sanding a previously coated surface, including wearing an appropriate respiratory mask</p> <p>Hazardous respirable droplets may be formed when sprayed. Wear appropriate respiratory mask and do not breathe spray or mist. See SDS for more information</p> <p>Health Effects: Splashes to the eye may cause eye irritation.</p>	<b>Flammability</b>	Non Flammable
<b>Personal</b>	When spraying, inhalation of mists may produce respiratory irritation.	<b>Storage</b>	Store out of direct Sunlight in a cool area
<b>In the case of emergency, please call 1800 033 111</b>			

Transport And Storage			
<b>Pack A</b>	19485675-77	<b>Shipment Name</b>	Not dangerous goods.; No special transport requirements.
<b>Size</b>	15 Litre	<b>Weight</b>	22 Kg
<b>Flash Point</b>	NA	<b>UN Number</b>	NA
<b>Dangerous Goods Class</b>	NA	<b>Package Group</b>	NA

Images



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