

## RFX Roof Restoration System RFX Roof Renovator Gloss

AU\_DA02193

Part A	203 Line
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### Product Overview

RFX Roof Renovator is a 100% acrylic, high build, pigmented, water based coating available in a gloss finish. It is designed to be applied to suitably prepared concrete or metal roofs in need of restoration. It is available in a range of traditional and popular ColourBond® roof colours .

### Features And Benefits

- Water Based
- Protective membrane
- UV Resistant
- Same day recoat, easy clean up & low odour
- Resists pollution, chemical attack and minimises dirt retention
- Resists damaging effects from harsh sun

### Uses And Typical Specifications

<b>Uses</b>	<p>RFX Roof Renovation system is used as a protective coating over properly prepared and sealed weathered concrete roof tiles and metal roofs.</p> <p>It provides a durable coating system that ensures high colour consistency, significantly improving washability, reducing dirt accumulation, pollution and chemical attack. RFX Roof Renovator is recommended for recoating of weathered concrete roof tiles. It is NOT recommended for coating of terracotta tiles.</p>																																		
<b>Typical Systems</b>	<p><b>Typical System</b> Typical System aged un-coated Concrete Tiles</p> <p>Preparation Guide Refer</p> <table border="1"> <thead> <tr> <th>Coat</th> <th>Product</th> <th>Spread Rate (m<sup>2</sup>/L)</th> <th>WFT (micron)</th> <th>DFT (micron)</th> </tr> </thead> <tbody> <tr> <td>Prep Coat</td> <td>RFX Roof Treat</td> <td>7</td> <td>0</td> <td>0</td> </tr> <tr> <td>1st Coat</td> <td>RFX Tile Seal</td> <td>8.0</td> <td>65</td> <td>20</td> </tr> <tr> <td>2nd Coat</td> <td>RFX Roof Renovator</td> <td>6.0</td> <td>165</td> <td>66</td> </tr> <tr> <td>3rd Coat</td> <td>RFX Roof Renovator</td> <td>6.0</td> <td>165</td> <td>66</td> </tr> <tr> <td colspan="4"><b>Minimum System DFT</b></td> <td><b>152</b></td> </tr> </tbody> </table>					Coat	Product	Spread Rate (m <sup>2</sup> /L)	WFT (micron)	DFT (micron)	Prep Coat	RFX Roof Treat	7	0	0	1st Coat	RFX Tile Seal	8.0	65	20	2nd Coat	RFX Roof Renovator	6.0	165	66	3rd Coat	RFX Roof Renovator	6.0	165	66	<b>Minimum System DFT</b>				<b>152</b>
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### Precautions And Limitations

Recommendations, permissible coverage rates & application temperature must be observed. DULUX AcraTex 962 Roof Membrane must not be applied when rain is anticipated. Adequate protection must be given against rain and dust to the coating during application.

The integrity of the coating system relies on thorough surface preparation and consolidation of the substrate. Where excessive chalking or friable concrete roof tiles are encountered, consolidation of the substrate is essential. Refer to appropriate DULUX AcraTex 962 Roof Membrane system specification.

As the surface area of a profiled roof is greater than an equivalent flat surface, additional material should be allowed for.  
All storm water pipes are to be disconnected from the house. No water wash down run off is to enter into the storm water.

Follow all state legislations when working with heights.

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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/ boxed 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.  
 When using very light (or dark) colours are applied over highly contrasting colours an extra coat may be 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.

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.

The Roof 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 Roofs. Refer <http://www.dulux.com.au/media/1420675/roofingcaremaintenanceguide201411.pdf>

**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)

**Performance Guide**

<b>Weather</b>	Excellent resistance	<b>Salt</b>	Excellent resistance
<b>Heat Resistance</b>	Resistant to 90 degrees celsius	<b>Water</b>	Excellent resistance
<b>Solvent</b>	Resists dilute solvent	<b>Abrasion</b>	Good resistance
<b>Acid</b>	No reaction to 3% hydrochloric acid	<b>Alkali</b>	No reaction to 1% caustic solution

**Typical Properties**

<b>V.O.C Content</b>	< 65 g/L	<b>Full Cure (25C, 50% R.H)</b>	-
<b>Clean Up</b>	Clean up water Water		
<b>Application Method</b>	 Air Spray		
<b>Application Conditions</b>	<b>Solids By Volume</b>	40	
		<b>Min</b>	<b>Max</b>
	<b>Wet Film Per Coat (microns)</b>	165	200
	<b>Dry Film Per Coat (microns)</b>	66	80
	<b>Recoat Time (min)</b>	2 hrs	indefinite
	<b>Theoretical Spread Rate (m<sup>2</sup>/L)</b>	6	5
			<b>Recommended</b>
			165
			66
			6

Application Guide	
<b>Surface Preparation</b>	<ul style="list-style-type: none"> <li>Inspect roof tiles for condition. This will determine the required preparation. Replace any cracked, chipped or faulty tiles, and reset any displaced tiles as required.</li> </ul> <p>Where required, remove ridge hips, gables &amp; valleys, rebed and repoint appropriately. 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>Treat moss &amp; lichen affected areas with a RFX RoofTreat. Allow to dry thoroughly prior to coating. Alternatively, apply a solution of 20 grams copper sulphate &amp; 70 grams ammonium carbonate to 1 litre of water. Apply liberally and leave for 3-6 days.</p> <p>High pressure water blast concrete roof at a minimum of 3500 PSI to remove dirt, excess grime, lichen/moss and all other contaminants.</p> <p>Pressure wash roof area thoroughly after all preparatory work is completed and allow to thoroughly dry.</p> <p>Note: Ensure all down pipes or water connection points are disconnected prior to commencement of cleaning.</p>
<b>Application Procedure And Equipment</b>	<ul style="list-style-type: none"> <li>Airless spray</li> <li>0.0019 - 0.0021 thou Spray Tip</li> <li>NOTE: As the surface area of a profiled roof is greater than an equivalent flat roof surface, additional material should be allowed for.</li> <li>Product should be thoroughly mixed before use.</li> </ul> <p>The RFX Roof Restoration System comprises of substrate cleaning and preparation, use of RFX RoofTreat to kill all moss and algal and lichen, consolidating sealer, followed by 2 coats (minimum) of RFX roof Renovator.</p> <p>SEALER COAT Refer to RFX TileSeal or RFX TilePrime datasheet</p> <p>ROOF MEMBRANE APPLICATION</p> <p>Apply the first coat of RFX Roof Renovator by airless spray .</p> <p>Apply second coat of RFX Roof Renovator in accordance with Roof Membrane specification</p>

Health And Safety			
<b>MSDS Number</b>	DLX00169		
<b>MSDS Link</b>	<a href="https://go.lupinsys.com/duluxgroup/harms/public/materials/64aee2bb64d9037189da656e29568303-published/individual">https://go.lupinsys.com/duluxgroup/harms/public/materials/64aee2bb64d9037189da656e29568303-published/individual</a>		
<b>Health Effects</b>	For detailed information refer to product Material Safety Data Sheet available through Dulux Sales and Customer Service offices 132377AUS. For detailed information refer to product Material Safety Data Sheet available through Dulux Sales and Customer Service offices 132377AUS.	<b>Personal</b>	Avoid repeated or prolonged skin contact and inhaling spray mist. Use in well ventilated areas. Always use overalls, safety shoes, safety glasses and safety gloves.
<b>In the case of emergency, please call 1800 033 111</b>			

Transport And Storage			
<b>Pack A</b>	203 Line	<b>Shipment Name</b>	Not dangerous goods
<b>Size</b>	15 Litre	<b>Weight</b>	20kg
<b>Flash Point</b>	N/A	<b>UN Number</b>	N/A
<b>Dangerous Goods Class</b>	N/A	<b>Package Group</b>	NA

## Images



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