

RFX Roof Restoration System RFX Metal Bond

AU_DA02192

Part A	203-X0497
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Product Overview

RFX MetalBond is a quick drying, Light Grey water based Roof Primer which provides good adhesion and corrosion resistance for new or weathered galvanised / Zinalume surfaces.

Features And Benefits

- Water based
- Excellent adhesion
- Zinc Metal Primer
- Water thinning & easy application gives convenience and performance.
- Bonds tightly to all Galvanised iron.
- Use it under RFX Restoration Systems.

Uses And Typical Specifications

Uses	RFX MetalBond can be applied to all cleaned and/or prepared galvanised surfaces for subsequent coating with any RFX Renovator top coats.				
Typical Systems	Typical System Typical un-coated Zinalume roof system				
	Preparation Guide Refer pail instructions				
	Coat	Product	Spread Rate (m²/L)	WFT (micron)	DFT (micron)
	1st Coat	RFX Metal Bond	9.5	105	40
	2nd Coat	RFX Roof Renovator	6	165	66
3rd Coat	RFX Roof Renovator	6	165	66	
			Minimum System DFT		172

Precautions And Limitations

Recommendations, permissible coverage rates & application temperature must be observed. RFX Roof Renovator 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 RFX Roof Renovator 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.

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 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.
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

Performance Guide			
Weather	Excellent as part of system.	Salt	NA
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 alcohols. Excellent when topcoated	Abrasion	NA
Acid	NA	Alkali	NA

Typical Properties																											
V.O.C Content	< 24g/L untinted	Clean Up	Clean up water Thoroughly wash brushes in water.																								
Sizes	15 Litre																										
Application Method	   																										
Application Conditions	<table border="0"> <tr> <td>Solids By Volume</td> <td>38</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Min</td> <td>Max</td> <td>Recommended</td> </tr> <tr> <td>Wet Film Per Coat (microns)</td> <td>92</td> <td>118</td> <td>105</td> </tr> <tr> <td>Dry Film Per Coat (microns)</td> <td>35</td> <td>45</td> <td>40</td> </tr> <tr> <td>Recoat Time (min)</td> <td>4 Hours</td> <td>Indefinite</td> <td></td> </tr> <tr> <td>Theoretical Spread Rate (m²/L)</td> <td>11</td> <td>8.5</td> <td>9.5</td> </tr> </table>	Solids By Volume	38				Min	Max	Recommended	Wet Film Per Coat (microns)	92	118	105	Dry Film Per Coat (microns)	35	45	40	Recoat Time (min)	4 Hours	Indefinite		Theoretical Spread Rate (m²/L)	11	8.5	9.5		
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Application Guide	
Surface Preparation	<ul style="list-style-type: none"> Ensure the surface to be painted is clean, dry and free from dust, dirt, grease, oils and wax. Treat moss & lichen affected areas with a RFX RoofTreat. Allow to dry thoroughly prior to coating. Alternatively, apply a solution of 20 grams copper sulphate & 70 grams ammonium carbonate to 1 litre of water. Apply liberally and leave for 3-6 days. High pressure water blast the roof at a minimum of 2500 PSI to remove dirt, excess grime, lichen/moss and all other contaminants and allow to thoroughly dry. <p>Note: Ensure all down pipes or water connection points are disconnected prior to commencement of cleaning. Loose or peeling/flaking paint must be completely removed. Care should be taken to avoid damaging the protective galvanised film.</p> <p>Any rust areas or where galvanising has eroded must be cleaned back to bare metal with a wire brush or abrasive paper, washed, dried and spot primed with 2 coats of Dulux Luxaprime Zinc Phosphate. The cleaned and dry surface should be primed as soon as possible.</p>
Application Procedure And Equipment	<ul style="list-style-type: none"> 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>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.</p> <p>The Roof Membrane system comprises of substrate cleaning and preparation, use of RFX RoofTreat to kill all moss and algal and lichen, Primer, followed by 2 coats (minimum) of RFX Roof Renovator.</p> <ul style="list-style-type: none"> Stir contents thoroughly with a broad flat stirrer, using a stirring, lifting action. <p>Airless Spray: Suitable for application by all standard spray equipment. If necessary thin up to 50 ml per litre with water to aid atomisation.</p> <p>Brush/Roller: Apply an even coat to the prepared surface direct from the can.</p>

Health And Safety				
MSDS Number	DLX001715			
MSDS Link	https://go.lupinsys.com/duluxgroup/harms/public/materials/4c8b4624281bb582ecc1075a35a06bce-published/individual			
Health Effects	<table border="1"> <tr> <td>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. Personal Protective Equipment: Wear eye protection and when spraying wear a dust mask. 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. Personal Protective Equipment: Wear eye protection and when spraying wear a dust mask.</td> <td>Personal</td> <td>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.</td> </tr> </table>	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. Personal Protective Equipment: Wear eye protection and when spraying wear a dust mask. 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. Personal Protective Equipment: Wear eye protection and when spraying wear a dust mask.	Personal	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.
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Protective Equipment	Personal Protective Equipment: Wear eye protection and when spraying wear a dust mask.			
In the case of emergency, please call 1800 033 111				

Transport And Storage			
Pack A	203-X0497	Shipment Name	Not dangerous goods.; No special transport requirements.
Size	15 Litre	Weight	20.5 Kg
Flash Point	NA	UN Number	NA
Dangerous Goods Class	NA	Package Group	NA



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