Introduction

Metal Primer Plus

Roof Protect Metal Primer Plus is our Standard Metal surface Primer. This clear to opaque Primer is designed to be used on all galvanised iron, ZINCALUME®, Colorbond® and COLORSTEEL®, wrought iron, and steel. Its purpose is to provide a coating that serves as the best surface for the Roof Protect Membrane to adhere to, which will enhance the effectiveness of the final 2 coats of the membrane.

What Sets It Apart?

This Metal Primer offers robust hardness, enhanced scratch resistance, solid adhesion, and resistance to salt spray, acids, alkalis, water, oil, UV rays, ageing, low temperatures, as well as humidity and heat.

Built for Durability and Longevity

Metal Primer Plus is designed for lasting performance. Its unique formula offers robust protection against everyday wear, UV rays, and varying weather conditions. With an emphasis on durability, it ensures reduced maintenance and long-term benefits, making it a forward-thinking choice for those seeking longevity.

Safety is Paramount

We understand the importance of water quality, so our product is formulated to be safe for potable water collection. You can rest easy knowing that Roof Protect Metal Primer Plus meets rigorous safety standards and will not compromise the water quality it comes into contact with.

This product is a great choice for achieving a long-lasting, aesthetically pleasing finish that will stand the test of time.

Features, Key Advantages and Attributes

- ✓ **Water-based** for easy cleanup
- ✓ **Same Day Recoat**
- ✓ **Eco-Friendly**: Formulated with a low VOC content, making it environmentally friendly and safe for rainwater collection after the first wash or rainfall.
- ✓ **Coverage**: Theoretical 10 square meters per litre, available in 15-litre drums.
- ✓ **Self-Cleaning:** Resists pollution, chemical and dirt retention
- ✓ **Durability**: long-term exterior durability and water resistance.

Theoretical Coating System

Coat	Product	Theoretical Spread Rate (m2/L)	Theoretical WFT (micron)	Theoretical DFT (micron)
Prep Coat	Mould Wash	8	0	0
1st Coat	Metal Primer Plus	10	40-50	25-30
2nd Coat	Roof Protect Membrane	6	167	90
3rd Coat	Roof Protect Membrane	6	167	90
		Theoretical System DFT		205-210

Intended Uses

Primer Coat for Roofing Membrane for galvanised iron, ZINCALUME®, Colorbond® and COLORSTEEL®, wrought iron, and steel Roofs.

Roof Protect Metal Primer Plus serves as a crucial barrier first coat when applied. Its primary function is to provide the essential coat between Metal and Membrane and enhance the longevity of the entire coating system, thereby providing superior durability.

Colour and Tinting

Roof Protect Metal Primer Plus should not be tinted, it is designed for use as is.

Transport

Industrial Roof Coatings Roof Protect is not classed as a dangerous good and does not carry a placard

Drum Size:	Weight:
15 Litre	~16kg

Storage

Best in cool areas with no direct sunlight, store above 5°C and below 40°C.

Shelf life: 1-2 years, depending on light and storage temperature conditions.

Health & Safety - MSDS Issue Date February 22 2023

Use Safety Precautions

The product may cause an allergic skin reaction.
Wear protective gloves/protective clothing, including eye/face protection and suitable respirator.

Roof Preparation and Application Guidelines

Preparing the Surface

Examine the state of the roof sheets and screws to assess the level of preparation needed. Swap out any broken, damaged, or defective sheets. Rescrew as appropriate for wallowed out screws, or missing grommets.

If necessary, disassemble and reassemble ridge hips, gables, and valleys, re-bed and re-point using Industrial Roof Coatings Point Protect as appropriate. The underlying surface should be uniformly solid and not prone to constant moisture or other factors that could lead to early coating degradation.

For areas affected by moss and lichen, use Industrial Roof Coatings Mould Wash and let it dry completely before being pressure washed off after 24 hours. Use a high-pressure water blaster with at least 4000 PSI to clean the concrete roof of dirt, stubborn grime, and biological growth.

After all prep work is complete, pressure wash the roof area and let it dry completely.

Note: Disconnect all downpipes and water outlets before starting the cleaning process, and ensure you set up an appropriate water reclamation system before commencing any cleaning activities.

Roof Protect 3 Coat System - Application Procedure

Note: Profiled roofs have more surface area than flat roofs, so plan for extra material.

Consult with your Industrial Roof Coatings rep for comprehensive application guidelines. Suitable for application with commercial airless spray equipment, with a 619, 621, or 1221 spray tip. Apply even wet coats.

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 washing away before drying or showing runs.

1st Coat – Primer
Apply one coat Industrial Roof Coatings Roof Protect Metal Primer Plus at the prescribed rate.

2nd and 3rd Coat – Roof Protect Membrane
Apply 2 coats Industrial Roof Coatings Roof Protect Membrane at the prescribed rate.

Application Guidelines – Temperature & Drying Times

Practical application rates may differ from theoretical estimates due to factors like roof surface temperature, application method, and environmental conditions such as wind.

- Do not apply the product if the Relative Humidity exceeds 85% or if the temperature is within 3°C of the Dew Point.
- Avoid application if the surface temperature is above 40°C or below 10°C, or expected to drop below 10°C during application or drying.
- Drying times are based on a single coat applied at the recommended rate, at 25°C and 50% Relative Humidity. Dry time will depend on the colour, ambient temperature and temperature of the surface being painted. Dry time on dark colour surfaces on a hot day and on hot surfaces may be as little as 30 minutes, whereas on light colour surfaces on a cool day and on cool tiles, dry time may be as much as 4 hours.
- Allow for extended drying times under cool, moist, or still conditions or when applied in thick layers; otherwise, 2 hours between coats is recommended.
- Protect from dew, rain, and frost for 48 hours when applied at the recommended spread rate.
- Avoid application in hot, windy conditions or on hot surfaces.

Disposal

Environmental Certifications: NIL

Consult local authority for regional guidelines.

Maintenance and Cleaning

Exterior membrane coating should be cleaned regularly to maintain the appearance and extend the lifespan of your Roof Protect Membrane coating system.

Annual cleaning will remove minor soil, grime, and airborne pollutants. A professional soft wash does form part of the warranty conditions.

Typical Properties

- Dangerous Goods Class: Not Applicable
- VOC Content: Low <90g/L
- VOC Emissions: Not Applicable
- Thinning and Dilution: No more than 10% with water
- Film thickness: Dependent on application and equipment; recommended approx. 25-30 microns
- Appearance: Clear to Opaque White
- Odour: Low
- Specific Gravity: ~1.05
- Viscosity: ~13500 to mPa.S @ 22°C

Precautions, Limitations and Warranty Conditions

MANUFACTURER'S GUARANTEE Includes:

- ✓ Replacement of product costs as per the original invoice and shall not exceed that of the original cost.

MANUFACTURER'S GUARANTEE Does NOT Include:

- Labour charges to clean, repair, or respray the roof.
- Normal colour fade or chalking.

MANUFACTURERS GUARANTEE Application Conditions:

- Thorough cleaning must be done using a suitable high-pressure water blaster of at least 3000 PSI pressure to ensure the tile surface is sufficiently prepared to accept a coating.
- One coat of Roof Protect Primer must be applied by an airless spray gun at the recommended coverage rate of 10m2 per litre.
- 2 coats of Roof Protect Membrane must be applied by an airless spray gun at the recommended coverage rate of 5-6m2 per litre.
- Professional soft wash of the roof must be performed every 4 years minimum (evidenced).
- Warranty is non-transferable with home ownership.

MANUFACTURER'S GUARANTEE is NULL and VOID if:

- Any damage is caused by extreme weather conditions or by chemicals such as chlorine or bleach.
- Any damage is caused by movement other than normal expansion and contraction.
- Any damage is caused by other works carried out on the roof during the warranty period.
- Painted over a previously painted surface.
- Defects as a result of animal activity.

Additional Information

This product data sheet shall be read in conjunction with the IRC Roof Protect Membrane specifications.

To ensure colour uniformity and optimum performance, the IRC Roof Protect Membrane recommends a complete coating system, including 2 Membrane topcoats over Sealer.

For all systems, both Membrane Coats (Top and Base Coat), should be tinted in accordance with the Tint Guide to the specified topcoat colour (or colour as close as possible to the specified colour as product rules allow).

Important: Not all colours are suitable for exterior use.
Ensure you have adequate tinted stock to complete the job in one application.
All material must be thoroughly cross-mixed to ensure tint uniformity.
It is recommended to hold a volume of finish material for future maintenance touch-ups.

The exterior membrane coating should be cleaned on a regular basis.
This will help maintain your overall aesthetic appearance and preserve your coating system.
Cleaning once every year will remove light soil, grime and airborne pollutants.

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Disclaimer

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Unless a project-specific guideline has been provided by Industrial Roof Coatings, this document does not assure the suitability of any product or system for your specific project needs.

The information herein is given in good faith and is considered accurate at the time of its release. The performance of products and coating systems is expected to align with the details provided here, assuming the tile condition is sound, the application is performed by a skilled professional, and all preparation, application, and maintenance procedures outlined in this document are strictly adhered to.

Environmental conditions during application can influence the effectiveness and suitability of the product. Colour accuracy or matching is the sole responsibility of the person applying the product. Note that colours may fade or change over time, and Industrial Roof Coatings does not guarantee colour stability over time. To maintain colour consistency, avoid combining paint from different containers. If unavoidable, blend the paints together to ensure colour uniformity.

In cases where liability cannot be legally excluded, the liability of Industrial Roof Coatings is restricted to either resupplying the relevant products or refunding the cost of those products.