



Technical Data Sheet

Metal Primer

Product Description **Metal Primer** is a water based acrylic primer which exhibits exceptional adhesion to a range of substrates including; metal roofing surfaces, new & old galvanised metal, other coated metal sheet roofing products and masonry surfaces.
Metal Primer performs exceptionally under conditions of hot, cold and wet weather when applied as part of a coating system utilising Nutech **NuFlex**, **Tileflex**, **NXT Cool Zone** or any of the Nutech external acrylic coating ranges.

Metal Primer

Features:

- Excellent long-term resistance to corrosion and rust
- Suitable for new and weathered galvanised and zinc metal sheeting
- Excellent adhesion to a wide range of metal and masonry substrates
- Supplied standard in a mid-grey
- Improved hardness and flexibility
- Oil and water resistant
- Easy application and clean up

Safety Precautions: Observe all Occupation Health and Safety (OH&S) precautions. Refer to the relevant Safety Data Sheets (SDS) for product safety related information.

For further information and support: **Nutech Paint 03 9770 3000**
www.nutechpaint.com.au

Provisions: Application Conditions:

- Only apply between 10°C and 30°C ambient air temperatures.
- Ensure no surface moisture is present prior to application.
- Consideration must be given to other climatic conditions such as wind and relative humidity
- Failure to observe these provisions may affect coating adhesion.

Chemical Type: Water Based Co-Polymer Acrylic

Product Attributes pH: 8.5 - 9.0 Per Cent
Volatiles: Nil (wet film)
Total VOC (g/Litre): < 5%
Solubility: In Water
Minimum Film Forming Temperature: 15°C
Minimum Dry Film Thickness: 70 µm

Typical Applications Typical projects include:
Domestic & Multi Density Residential, Industrial and Commercial uses where an anti-corrosive metal primer is required.

Appearance Light Grey viscous liquid

Coverage / Spread Rate **5-6m²/L** per coat
Note: Coverage will depend on the porosity and roughness of the surface.
To maximise performance do not over spread.

Packaging **1L, 4L, 10L, 20L, 200L, 1000L**



Storage	Cool, dry location. Avoid contact with direct sunlight and heat.
Shelf life	Stored 24 months @ 25°C
Substrate Recommendations:	Metal Roofing surfaces, New/Older Galvanised Metal, used as a primer over Colorbond and other coated metal sheet roofing products. Metal Primer can also be on Masonry surfaces.
NOTE	<p>Metal Primer IS NOT recommended for coating over high gloss coatings on metal sheet roofing.</p> <p>Application on non-porous surfaces and metal sheeting requires sufficient curing prior to top coating.</p>
Mixing/ Thinning	<p>Prior to Commencement: Stir thoroughly prior to use.</p> <p>Maximum dilution: 10% Water</p>
Test Patch	Conduct a small test patch in an inconspicuous area to ensure adequate product performance and adhesion.
Substrate note:	<p>All surfaces must be clean and in sound condition. Remove all oil, dirt, grease, and flaking paint.</p> <ul style="list-style-type: none">• The surface should be cleaned to remove all contaminants and dirt and any loose coating. A suitable surface is achieved using a high-pressure water cleaner (greater than 2500 psi.).• If new galvanised sheets are heavily contaminated with oil and machine lubricants, the surface must be degreased using Nu-EcoSafe Degreaser or washed with a solvent before coating <p><i>Improperly prepared surfaces may result in coating failure.</i></p>
Application	Brush Roller Airless Spray: spray tip size 523-525
Procedure:	<p>Metal Primer used for metal roof sheeting must be over coated with Nu-Flex TileFlex, NXT Cool Zone or other Nutech water-based coating suitable for external exposure. Refer to Nutech</p> <p>Application: Apply 1 coat of Nutech Metal Primer @ 6m²/L</p> <p>Curing condition considerations: Same day top coating in winter or cold weather is not recommended and may result in coating failure unless <u>fully cured</u>.</p> <p>Safety Data Sheet for additional safety and user information.</p>
Drying Time	Ambient conditions @ 25°C and 50% relative humidity. Touch Dry 30 Minutes.
Recoat	Recoat 2 hours at cooler temperatures or higher humidity drying times will be extended. Recoat 3 hours.



Clean Up

Protecting Our Environment is important to Nutech Paints:

Clean up with Warm fresh water. Do not pour leftover paint down drains or in rubbish bins. Unwanted paint should be kept in a sealed container and then disposed of via special waste collection services.

Empty paint containers should be left open in a well ventilated area to dry out.

Dispose of empty paint containers in accordance with local authority's guidelines.

Always check with your local council first.

Clean up hands and equipment with fresh warm water

First Aid

SEEK IMMEDIATE MEDICAL ATTENTION. Refer to the appropriate *Nutech Safety Data Sheet* (SDS) for further information.

For medical emergencies only, call: 000

- In case of eye contact, flush thoroughly with water for at least 15 minutes.
 - In case of skin contact, wash affected areas with soap and water. If irritation persists.
 - Remove and wash contaminated clothing.
 - If inhalation causes physical discomfort, remove to fresh air.
 - If discomfort persists, or any breathing difficulty occurs or if swallowed seek medical advice.
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Warranty

Nutech warrants its products to be free from defects in material and workmanship. Nutech's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Nutech's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products.

Any claim under this Warranty must be made by Buyer to Nutech in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Nutech of such non-conformance as required herein shall bar Buyer from recovery under this Warranty.

Nutech makes no other warranties concerning the product. No other warranties, whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Nutech be liable for consequential or incidental damages.

Any recommendation or suggestion relating to the use of the products made by Nutech, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Limitation of Liability

Nutech's liability on any claim of any kind, including claims based upon Nutech's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which gives rise to the claim. In no event shall Nutech be liable for consequential or incidental damages.

Disclaimer

The information given on this data sheet is based on many years' experience and is correct to the best of our knowledge. However, since the use of our product, surface conditions, weather and a number of other factors are completely beyond our control, we can only be responsible for the quality of our product at the time of dispatch. For more information please contact our Company. As this information is of a general nature, we cannot assume any responsibility in individual cases.'

The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

Nutech

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