



# Technical Data Sheet

## Metal Primer

<b>Product Description:</b>	<b>Metal Primer</b> is a water based acrylic primer which exhibits exceptional adhesion and protection properties. Used in conjunction with Flexishield and NXT top coats, the finishing system performs exceptionally well under all weather conditions to a range of metal surfaces.
<b>Features:</b>	<ul style="list-style-type: none"><li>• Excellent long-term resistance to corrosion and rust</li><li>• Excellent adhesion to a wide range of metal and pre coated metal substrates</li><li>• Also suitable for new and weathered galvanised sheeting</li><li>• Improved hardness and flexibility</li></ul>
<b>Safety Precautions:</b>	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: <b>Nutech Paint 03 9770 3000</b> <a href="http://www.nutechpaint.com.au">www.nutechpaint.com.au</a>
<b>Provisions:</b>	<b>DRINKING WATER COLLECTION</b> Always disconnect water tanks before cleaning and coating. Thoroughly flush gutters and allow several good rains to remove all overspray before reconnecting tanks.  Nutech Paint recommends <b>Metal Primer</b> is applied by trained professionals.
<b>Chemical Type:</b>	Water based co-polymer acrylic
<b>Product Attributes:</b>	pH: 8.5 - 9.0 Total VOC: < 5% Solubility: In Water Minimum Film Forming Temperature: 10°C Minimum Dry Film Thickness: 70µm
<b>Typical Applications:</b>	Typical projects include: Domestic & Multi Density Residential, Industrial and Commercial uses where an anti-corrosive metal primer is required.
<b>Appearance:</b>	Light grey viscous liquid
<b>Coverage / Spread Rate:</b>	<b>6m<sup>2</sup>/L</b> (per coat) Note: To maximise performance do not over spread.
<b>Packaging :</b>	<b>15L, 200L, 1000L</b>
<b>Storage:</b>	Cool, dry location. Avoid contact with direct sunlight and heat.
<b>Shelf life:</b>	Stored 24 months @ 25°C
<b>Recommended Substrates:</b>	Steel and aluminium roofing surfaces, new or weathered galvanised metal, and can be used as a primer over precoated metal sheet products.
<b>Recommended Top Coat:</b>	Metal Primer is a suitable undercoat / primer for NXT Cool Zone, NuFlex, Tileflex, Flexi-Shield Low Sheen and Flexi-Shield Matt. Refer to the relevant Nutech TDS for top coat application recommendations.



**NOTE:** SUBSTRATE surface temperature must not be below 10°C and not exceed 50°C  
 ADHESION may be affected when applied to cold or hot metal surfaces  
 ENSURE no surface moisture is present prior to application  
 CONSIDERATION must be given to other climatic conditions such as wind and relative humidity  
 DO NOT apply topcoat until the primer is completely dry.  
 DO NOT apply **Metal Primer** in very cold conditions  
 DO NOT Apply to extremely hot surfaces  
 Failure to observe these provisions may affect coating adhesion

**Mixing/ Thinning:** **Prior to Commencement:** Stir thoroughly prior to use.  
**Maximum dilution:** Do not dilute.

**Test Patch:** Conduct a small test patch in an inconspicuous area to ensure adequate product performance and adhesion.

**Substrate Preparation:** All surfaces must be clean from moss and lichen.  
 Refer to **Nutech Hypo** OR **Nutech MossRid**.  
 High pressure clean using a minimum of 3000psi  
 Allow surface to dry thoroughly  
***Improperly prepared surfaces may result in coating failure***

Steel Sheet & Roofing:	Aluminium Sheet & Roofing:
<p><b>Pre coated steel:</b></p> <ul style="list-style-type: none"> <li>Remove any loose, flaking paint, dirt &amp; debris</li> <li>Where applicable, treat moss and lichen <b>Nutech MossRid</b> and allow to activate 7 days prior to coating. Refer to the relevant TDS.</li> <li>Where applicable, degrease and clean using <b>Nu-EcoSafe Degreaser</b> in accordance with the relevant TDS</li> <li>High pressure clean the surface using a <u>minimum of 3000 psi</u></li> <li>Allow surface to dry thoroughly</li> <li>Apply 1 coat of <b>Metal Primer</b> in accordance with this TDS</li> </ul> <p><b>Rusted steel:</b></p> <ul style="list-style-type: none"> <li><b>Rust:</b> Spot apply <b>Nu EcoSafe Rust Converter</b> in accordance with the relevant TDS</li> <li>Apply 1 coat of <b>Metal Primer</b> in accordance with this TDS</li> </ul> <p><b>Clean bare steel:</b></p> <ul style="list-style-type: none"> <li>If new sheets are heavily contaminated with oil and machine lubricants, the surface must be degreased using <b>Nu-EcoSafe Degreaser</b> in accordance with the relevant TDS</li> <li>Apply 1 coat of <b>Metal Primer</b> in accordance with this TDS</li> </ul> <p><b>Galvanized steel:</b></p> <ul style="list-style-type: none"> <li>If new sheets are heavily contaminated with oil and machine lubricants, the surface must be degreased using <b>Nu-EcoSafe Degreaser</b> in accordance with the relevant TDS</li> <li>High pressure clean the surface using a <u>minimum of 3000 psi</u></li> <li>Allow surface to dry thoroughly</li> <li>A suitable preparation solvent may also be used.</li> <li>Apply 1 coat of <b>Metal Primer</b> in accordance with this TDS</li> </ul>	<p><b>Pre coated sheeting and cladding:</b></p> <ul style="list-style-type: none"> <li>Remove any loose, flaking paint, dirt &amp; debris</li> <li>Where applicable, treat moss and lichen <b>Nutech MossRid</b> and allow to activate 7 days prior to coating. Refer to the relevant TDS.</li> <li>Where applicable, degrease and clean using <b>Nu-EcoSafe Degreaser</b> in accordance with the relevant TDS</li> <li>High pressure clean the surface using a <u>minimum of 3000 psi</u>.</li> <li>Allow surface to dry thoroughly</li> <li>Apply 1 coat of <b>Metal Primer</b> in accordance with this TDS</li> </ul> <p><b>Weathered bare aluminium:</b></p> <ul style="list-style-type: none"> <li>Degrease and clean using <b>Nu-EcoSafe Degreaser</b> in accordance with the relevant TDS</li> <li>High pressure clean the surface using a <u>minimum of 3000 psi</u></li> <li>Allow surface to dry thoroughly</li> <li>Apply 1 coat of <b>Metal Primer</b> in accordance with this TDS</li> </ul> <p><b>New, mill aluminium:</b></p> <ul style="list-style-type: none"> <li>Where applicable, remove protective film</li> <li>Degrease and clean using <b>Nu-EcoSafe Degreaser</b> in accordance with the relevant TDS</li> <li>Allow surface to dry thoroughly</li> </ul> <p><b>Mechanical abrade</b> and repeat cleaning procedure as outlined above    OR  <b>Etch:</b> Using a suitable etching solution, following the supplier's Technical Recommendations.</p> <ul style="list-style-type: none"> <li>Allow surface to dry thoroughly</li> <li>Apply 1 coat of <b>Metal Primer</b> in accordance with this TDS</li> </ul>



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**Application:** Airless spray (Recommended): spray tip size 523-525  
Brush, Roller

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**Application Procedure:** **Prior to coating:**

- In cold weather, new tile pointing must be adequately cured
- Weather conditions must be favourable as rain, moisture or dew may cause damage
- Do not apply in extreme heat

Observing dry times and application spread rates, spray apply 1 even consistent coat making sure fan pattern correctly overlaps.

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**Drying Time:** Ideal ambient conditions 25°C @ 60% relative humidity\*

**Touch Dry:** **30 Minutes**

**Recoat:** **2 Hours**  
\*In cooler temperatures or high humidity, dry times will be extended

**Curing condition considerations:** Same day top coating in winter or cold weather is not recommended and may result in coating failure unless completely dry.

Avoid application late in the day if there is a risk of rapid drop in temperature or overnight dew or frost.

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**Clean Up** Protecting Our Environment is important to Nutech Paints:  
Clean up with clean fresh water. Do not pour leftover paint down the drain. 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.

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**First Aid** **SEEK IMMEDIATE MEDICAL ATTENTION.** Refer to the appropriate **Nutech Material Safety Data Sheet** (MSDS) 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
- Remove and wash contaminated clothing
- If inhalation causes physical discomfort, remove to fresh air
- If discomfort persists, any breathing difficulty occurs or if swallowed, seek medical advice



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For a perfect finish!

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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.

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**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.

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**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.

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# Nutech

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