

# Technical Data Sheet

## FlexiPrime

<b>Product Description:</b>	<b>FlexiPrime</b> is an elastomeric acrylic membrane. It is primarily used as a base coat to prepare surfaces for the application of Nutech acrylic roof coating systems. <b>FlexiPrime</b> has been specifically developed to seal and waterproof a variety of substrates and end-use applications, including roofs, walls, masonry surfaces and previously painted surfaces, prior to the application of a topcoat.
<b>Features:</b>	<ul style="list-style-type: none"> <li>• Excellent adhesion</li> <li>• Very Low VOC formulation</li> <li>• Exceptional flexibility</li> <li>• Mould &amp; fungus resistant</li> <li>• Excellent water &amp; weather-proofing performance</li> <li>• Resistant to frost &amp; freeze thaw climates</li> <li>• Available in 29 standard colours (can also be custom colour matched upon request)</li> </ul>
<b>Safety Precautions:</b>	<p>Observe all Occupation Health and Safety (OH&amp;S) precautions.</p> <p>Refer to the relevant Safety Data Sheets (SDS) for product safety related information.</p> <p>For more information or assistance: <b>Nutech 03 9770 3000</b>  <a href="http://nutech.com.au">nutech.com.au</a></p>
<b>Provisions:</b>	<p><b>IMPORTANT NOTE:</b></p> <p><b>FlexiPrime</b> is not suitable for areas under hydrostatic pressure or continual wetting/ submersion.</p> <p><b>Movement Joints, Bridging Cracks or Over Joints (Where applicable):</b></p> <p>When bridging structural joints or large cracks, a layer of chopped strand fibreglass or reinforcing fabric must be embedded into the first “wet” coat and then overcoated with 2 top coats of FlexiPrime. Expansion joints should be filled or sealed, and then sanded smooth if required, after application and cure.</p>
<b>Chemical Type:</b>	Elastomeric acrylic emulsion
<b>Product Attributes:</b>	<p>PH: 8.5-9.5</p> <p>VOC: Very low</p> <p>Solubility: Water</p> <p>Minimum Film Forming Temperature: 10°C</p> <p>Minimum Film Thickness (dry): Low Build (Smooth) Surface 65µm per coat  Medium Build surface 75µm per coat  High Build Surface 95µm per coat</p>
<b>Appearance:</b>	Milky white or coloured viscous liquid
<b>Typical Applications:</b>	Internal and external surfaces for Domestic & Multi Density Residential, Industrial, Commercial and roofing applications where flexible elastomeric barrier primers are required. <b>FlexiPrime</b> can also be used as a binder on previously painted surfaces.
<b>Packaging:</b>	15L
<b>Coverage / Spread Rate:</b>	<p>Low Build – Smooth Surface <b>6m<sup>2</sup>/L</b> per coat</p> <p>Low Build – Vertical Surface <b>6m<sup>2</sup>/L</b> per coat</p> <p>Medium Build Surface <b>5m<sup>2</sup>/L</b> per coat</p> <p>High Build Surface <b>4m<sup>2</sup>/L</b> per coat</p>

<b>Storage/ Shelf Life:</b>	24 months when stored at 25°C. Cool, dry location. Avoid contact with direct sunlight and heat
<b>Suitable Substrate Types:</b>	Concrete, masonry, asphalt, metal, timber and other similar surfaces
<b>Substrate Notes:</b>	Refer to preparation and application guidelines of this TDS
<b>Climatic Conditions:</b>	<b>10°C to 30°C</b> ambient, dry conditions. <b>Do not</b> apply if rain is expected within the next 12 hours, or if it is late in the day or early morning.
<b>Application Equipment:</b>	Brush or Roller Spray – Airless Spray Gun with a minimum 525 Tip size is required
<b>Mixing/ Thinning:</b>	<b>Prior to Commencement:</b> Drill Mix thoroughly prior to use to ensure even colour consistency.  <b>Maximum dilution:</b> 5% for spray application only
<b>Preparation:</b>	All substrates must be clean, free of loose material, grease, efflorescence salts, mould, fungi, form oil, mastic compounds, silicone or other foreign matter prior to coating with <b>FlexiPrime</b> . Surfaces must be free of hydrostatic pressure and continual wetting.  <b>Moss and Mouldy Surfaces</b> Apply <a href="#">Nutech MossRid</a> in accordance with the relevant TDS. Thoroughly high-pressure water clean (Min. 3000psi). Allow to thoroughly dry and repair damaged areas as required.
<b>Test Patch:</b>	Conduct a small test patch in an inconspicuous area to confirm product performance and substrate porosity, and to estimate the amount of product needed to complete the project.

#### Application Procedure:

Sound Previously Painted OR Primed Surfaces:	Metals:
Wash old paintwork to clean the surface, sand or wire brush old coatings to achieve a sound surface.  <b>Note:</b> Gloss surfaces <u>Must be sanded</u> to provide an adequate key.  <b>Over coating Membrane:</b> Apply one coat of <b>FlexiPrime</b> to a clean dry surface at 6m <sup>2</sup> per litre.	<b>Iron, Steel, Galvanised &amp; Zinalume Surfaces:</b> Remove any old paint. Remove excessive oil and grease with <a href="#">Nutech EcoSafe Degreaser</a> .  <b>Rust:</b> Remove all loose rust and scaling using a wire brush or via mechanical means. Clean down surface to remove all debris. Apply <a href="#">Ecosafe Rust Converter &amp; Inhibitor</a> , in accordance with the TDS.  Prime bare areas with one coat of <a href="#">Nutech Metal Primer</a> .
Powdery Paintwork, Absorbent Masonry & Crumbling Walls:	Previously coated metal surfaces:
Remove loose material and repair where applicable. Apply one coat of <b>Nutech SupaPrime</b> in accordance with the relevant TDS at 4m <sup>2</sup> p/l.  <b>Over coating Membrane:</b> Apply one coat of <b>FlexiPrime</b> to a clean dry surface at 6m <sup>2</sup> per litre.	Refer to the Previously Painted Surfaces Guide on our website.

<b>Application Guidelines:</b>	<p><b>DO NOT APPLY</b> to cold surfaces. Always wait until the ambient temperature and substrate temperature have both warmed to a minimum of 10 degrees</p> <ul style="list-style-type: none"> <li>• Preferred application technique by brush, roller or spray</li> <li>• Lay the membrane on and avoid light application, observing the relevant application rates</li> <li>• A minimum of 24 hours is required prior to top coating, based on conditions of a 25°C day</li> <li>• In colder conditions, additional time will be necessary</li> </ul>
<b>Post Application:</b>	<ul style="list-style-type: none"> <li>• Prevent the coating from freezing for no less than 48 hours</li> <li>• Prevent from saturation with water for no less than 48 hours at 25°C</li> <li>• At lower temperatures or increased film thickness significantly longer curing times may be required (see dry/recoat/cure times below)</li> <li>• Avoid excessive abrasion for a minimum of 14 days</li> </ul>
<b>Drying Time:</b>	150µm - Ambient conditions @ 25°C and 60% relative humidity
<b>Touch Dry:</b>	4 Hours
<b>Recoat:</b>	24 hours minimum
<b>Full Cure:</b>	24-72 hours
	<p><b>Note:</b> Higher film builds, low temperature or high humidity will extend drying and curing parameters.</p> <p><b>Caution:</b> Avoid application late in the day, as falling temperatures and overnight dew can interfere with proper drying and curing.</p>
<b>Clean Up:</b>	<ul style="list-style-type: none"> <li>• If cleaning is required, use the relevant <b>Nutech thinner/water</b> specific to this product.</li> <li>• Soak brushes, rollers, and other tools in the thinner for 10-20 minutes, then rinse with fresh thinner.</li> <li>• <b>Spray gun:</b> Run the relevant thinner through the spray gun until the output runs clear.</li> </ul> <p><b>Protecting Our Environment is important to Nutech:</b></p> <p>Always clean up with cold water/thinners, making sure to do so away from any drains.</p> <p><b>Do not</b> pour leftover paint into drains or waterways. Instead, store any unused paint in a sealed container and dispose of it through an approved special waste collection service.</p> <p>Leave empty paint containers open in a well-ventilated area until any remaining paint has dried completely. Once dry, dispose of the containers according to your local council's waste disposal guidelines. Check with your local authority to ensure proper disposal methods are followed.</p>
<b>First Aid:</b>	<p><b>SEEK IMMEDIATE MEDICAL ATTENTION.</b></p> <p>Refer to the appropriate <b>Nutech Safety Data Sheet</b> (SDS) for further information.</p> <p>For medical emergencies only, call: 000</p> <ul style="list-style-type: none"> <li>• <b>Eye contact:</b> Flush eyes thoroughly with water for at least 15 minutes.</li> <li>• <b>Skin contact:</b> Wash affected areas with soap and water.</li> <li>• <b>Clothing:</b> Remove and wash contaminated clothing.</li> <li>• <b>Inhalation:</b> If inhalation causes discomfort, move to fresh air.</li> <li>• <b>If symptoms persist, breathing becomes difficult, or the product is swallowed, seek medical advice immediately.</b></li> </ul>

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