



# PID 60 MARINE

## UNIVERSAL ANTI-CORROSIVE PRIMER

<b>Description</b>	PID 60 MARINE is a universal anti-rust primer made from alkyd resins and anti-corrosive pigments for the priming and protection of ferrous and non-ferrous metals, gelcoat, galvanised and old painted surfaces etc.
<b>Properties</b>	<ul style="list-style-type: none"> <li>• A single pack anti-rust primer and bonding coat.</li> <li>• Keeps surfaces rust free before handling and/or shipping.</li> <li>• Easy to apply. Good opacity.</li> <li>• Excellent adhesion.</li> <li>• Good filling properties.</li> <li>• Overcoat with all types of rust protecting finishes – 1 or 2 pack.</li> </ul>
<b>Basic uses</b>	<ul style="list-style-type: none"> <li>• Interior and exterior.</li> <li>• All surfaces above the waterline.</li> <li>• Horizontal and vertical surfaces</li> <li>• Ferrous and non-ferrous metals, Plastic, Gelcoat, Galvanised surfaces....</li> <li>• Previously painted surfaces.</li> <li>• Metal structures – Pipes, Machinery, Tanks, Superstructure....</li> </ul>
<b>Technical data</b>	<p><b>Classification:</b> Group 1 Class 4a (NF36-005)</p> <p><b>Finish:</b> Matt</p> <p><b>Vehicle Type:</b> Alkyd resins</p> <p><b>Solvent Type:</b> White spirit</p> <p><b>Specific Gravity at 20°C (68°F):</b> 1.35g/cm<sup>3</sup> ±0.03</p> <p><b>Viscosity at 20°C (68°F):</b> 15 poise ±3</p> <p><b>Physical State:</b> Liquid</p> <p><b>Solid Content:</b> 70 ± 3%</p> <p><b>Shelf Life:</b> 1 year minimum in original unopened packaging.</p> <p><b>Flash point:</b> &gt;35°C (95°F)</p> <p><b>Container Size:</b> 1L, 2.5L</p> <p><b>Colour(s):</b> Mid-grey</p> <p><b>Wet Film Thickness (WFT):</b> 150 to 200µms</p> <p><b>Dry Film Thickness (DFT):</b> 100 to 140µms</p> <p><b>Drying time (at 20°C (68°F) &amp; 50% RH):</b></p> <ul style="list-style-type: none"> <li>- Touch Dry: 20 minutes</li> <li>- Drying Time: 1 hour</li> <li>- Recoating times:</li> </ul> <p>PID 60 Marine – 60 minutes</p> <p>Single pack finishes – 3 to 6 hours (Alkyd, Acrylic, Urethane-Alkyd...)</p> <p>Two pack finishes – 6 hours minimum (Epoxy, Polyurethane...)</p> <p>In all cases ensure PID 60 MARINE is 100% cured before overcoating.</p> <p><b>VOC:</b> EU limit value for this product (cat. A/i): 500 g/L (2010). This product contains a max 440 g/L.</p>
<b>Application tools</b>	<p>Brush.</p> <p>Roller.</p> <p>Spray: Airless, Airmix, Conventional.</p>
<b>Good application practice</b>	<p>Cover everything you do not wish to paint, especially when applying by roller or spray.</p> <p>Apply between 5°C (41°F) and 35°C (95°F).</p> <p>Substrate temperature should be between 5°C (41°F) and 35°C (95°F).</p> <p>Ensure substrate is at least 3°C above dew point.</p> <p>Do not apply in direct sunlight or to hot surfaces (35°C+ (95°F+)).</p> <p>Drying time is affected by 3 factors:</p> <ul style="list-style-type: none"> <li>Temperature, ideally understood to be between 5°C (41°F) and 35°C (95°F)</li> <li>Relative humidity, ideally between 50% and 60%</li> <li>Good ventilation in the working area.</li> </ul> <p>If one of the above conditions is not met the drying time of PID 60 MARINE should be extended to avoid risk of a reaction with the finish coat.</p> <p>Use appropriate protective clothing especially when spraying e.g. Gloves. Goggles, Mask...</p>

<p><b>Surface preparation</b></p>	<p>Surface <b>must</b> be clean, dry and free of oil, grease, salt and other surface contamination including any sanding, blasting or other preparation residue before applying PID 60 MARINE.</p> <p><b>Metal Surfaces exc. Galvanised, Zinc and Aluminium:</b>  Prior to blasting or manually preparing the surface all salt contamination should be removed using fresh water and the surface dried. All oils, grease etc. must be thoroughly removed using a suitable cleaning solvent e.g. Acetone. Deposits firmly adhered to the surface should first be removed by scraping and then cleaned using the solvent.  Remove all traces of mill scale, rust, rust scale and other foreign matter by blast cleaning to SIS-Sa2½ or at the least manually to SIS-St3 by grinding (P24-P36) or sanding (40-120 grit).  Remove all blast and manual preparation residue by vacuum cleaner, air blower or a stiff clean brush. For difficult areas the removal of rust by chemical means may be possible with undiluted OWAYELL*.</p> <p><b>Aluminium:</b>  Thoroughly clean surface using OWACLEAN* or a suitable solvent e.g. Acetone.  Blast surface using a suitable medium or sand with 24-120 grit abrasive compatible with Aluminium.  Remove all blast and manual preparation residue by vacuum cleaner, air blower or a stiff clean brush. For difficult areas pickle the surface using diluted OWAYELL*.</p> <p><b>Galvanised/Zinc:</b>  Thoroughly clean surface using OWACLEAN* or a suitable solvent e.g. Acetone.  Pickle the surface using diluted OWAYELL*.</p> <p><b>Gelcoat/Plastic:</b>  Clean surface with OWACLEAN* or hot soapy water, rinse thoroughly and allow to dry.  Abrade with 180-220 grit sanding discs.  Remove all sanding residue by vacuum cleaner, stiff clean brush, tack cloth or a cloth soaked in a fast flashing solvent e.g. Methylated Spirits (Not White Spirits).</p> <p><b>Previously Painted Surfaces:</b>  Checking existing finish for adhesion by using the Cross Hatch test method.  If existing finish is weakly adhered it must be completely and thoroughly removed by blast cleaning to SIS-Sa2½ or at the least manually to SIS-St3. If coating is well adhered proceed as follows:  Thoroughly clean and sand/blast surface to form a good key, feather in any sharp edges and any bare areas of metal to be manually prepared to at least SIS-St3.</p> <p><b>Note: It is imperative that prepared bare metal surfaces are coated with PID 60 MARINE within 8 hours.</b></p>
<p><b>Application</b></p>	<p>Stir well before and during use.  Apply an even, single coat at the recommend wet film thickness.  Allow to dry.  If required a second coat may be applied.  PID60 MARINE may be diluted up to 30% with White Spirits for spray application (NOT Airless or Airmix).  If a perfectly smooth surface is required PID 60 MARINE may be sand when 100% cured before applying the finish  If the overcoating time of PID 60 MARINE exceeds 5 days, clean surface with a suitable solvent e.g. Acetone. Sand with 220-230 grit abrasive and dust off. Wipe surface with a cloth soaked in Methylated Spirits or a tack cloth to remove any remaining sanding residue.</p>
<p><b>Coverage</b></p>	<p>Theoretical: 9m<sup>2</sup> (96ft<sup>2</sup>) to 10m<sup>2</sup> (107ft<sup>2</sup>) per litre per coat.  Actual coverage will vary depending on application method, type, texture, age and porosity of the surface.</p>
<p><b>Clean-up</b></p>	<p>Clean all tools and equipment with white spirits while still wet. If allowed to dry, remove with paint stripper.</p>
<p><b>Storage</b></p>	<p>Store in original container and close lid tightly after use.  Keep from freezing and high temperatures.</p>
<p><b>General information</b></p>	<p>Every care is taken to ensure that the information provided in this technical data sheet is accurate.  <b>Owatrol International</b> is unable to guarantee results as we have no control over the conditions under which our products are applied. For further advice and information please contact our technical department by email at <a href="mailto:info@owatrol.com">info@owatrol.com</a> or the local Owatrol Agent for your country.  The information above is correct at the date of issue.  All other OWATROL products named in this document should be used as per label instructions and the technical data sheet.</p>
<p><b>Safety</b></p>	<p>Refer to the safety data sheet (MSDS) available at <a href="http://www.owatrol.com">www.owatrol.com</a> and text on the packaging. Keep out of the reach of children.</p>
<p><b>Issue date</b></p>	<p>February 2017</p>

\* Same manufacturer