

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Oil-based
<b>Description</b>	<p>RIPO (<i>Rust Inhibiting Penetrating Oil</i>) is a drying “wetting oil” pre-treatment, for use on hand or power tool cleaned surfaces and sometimes with brush blasted surfaces, prior to application of High Build Rust Barrier and other alkyd coatings.</p> <p>RIPO forms a water-resistant film and is useful in protecting steel from condensation corrosion as encountered on:</p> <ul style="list-style-type: none"> <li>• Interior of vehicle doors and body panels</li> <li>• Underside of surfaces on appliances, such as freezers and washing machines</li> <li>• Marine topsides</li> <li>• Excellent rust treatment as part of a single pack coating system on; agricultural machinery and various pieces of equipment, trailers, structural steel</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• Thin penetrating liquid which dries to a non-tack film</li> <li>• Anti-corrosive</li> <li>• Water resistant</li> <li>• Easy application</li> <li>• Multi-purpose</li> <li>• Can be overcoated with High Build Rust Barrier or Multi~Bond Primer</li> <li>• Single pack-ready to use</li> </ul>
<b>Colour</b>	Clear
<b>Finish</b>	Satin
<b>Film Build</b>	<p>10 - 15 microns dry</p> <p>33 microns wet to obtain 10 microns dry</p>
<b>Solid(s) Content</b>	By volume 30% +/- 1%
<b>Theoretical Coverage Rates</b>	<p>30 m<sup>2</sup> per litre at 10 microns dry</p> <p>Allow for loss in mixing and application</p>
<b>VOC Value(s)</b>	<b>As Supplied</b> : 610 g/L
<b>Dry Temp. Resistance</b>	<p>Continuous: 93°C (199°F)</p> <p>Non-Continuous: 120°C (248°F)</p>
<b>Limitations</b>	<ul style="list-style-type: none"> <li>• Not recommended for immersion service</li> <li>• Not to be used as a lubricating oil</li> </ul>

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	<p>All surfaces must be sound and free of oil, grease, dirt, loose and flaking paint, moisture, and other foreign substances prior to application of RIPO.</p> <p>Clean and/or degrease with either a suitable non-ionic detergent (such as Altex P40 Cleaner), or solvent wipe with Altex C50 Surface Cleaner.</p>
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## SUBSTRATES & SURFACE PREPARATION

**Steel** | For the optimum results, power tool cleaning to SSPC-SP 3 (AS 1627.2 St 3). Hand tool clean to SSPC-SP 2 (AS 1627.2 St 2) may be utilised. Power tool cleaning to SSPC-SP 3 (AS 1627.2 St 3) means the removal of loose mill scale, loose rust and loose paint using power grinders, sanding discs, needle guns etc to achieve a pronounced metallic sheen, and be free of grease, dirt, salts, and other contaminants. The exposed steel should show a clearly visible profile. Hand tool cleaning to SSPC-SP 2 requires the same level of surface preparation as SP 3 using hand tools such as scrapers, emery paper, sandpaper etc.

**Special Instruction** | **Machined Parts**  
Where mechanical parts are to be protected by RIPO, surfaces must be dry and free of oil and grease.  
**Note:** RIPO is not a lubricant.

## MIXING & THINNING

- Mixing** | No mixing required.
- Thinning** | Not recommended.
- Ratio** | N/A – single component coating
- Pot Life** | N/A – single component coating

## APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

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**Conventional Spray** | 1.0mm to 1.4mm fluid tip with appropriate air cap.

**Airless Spray** | Not recommended

**Brush & Roller (General)** | Brush and roller application are acceptable if conditions are suitable however, care must be taken to avoid overbuilding the film thickness

**Application Tool** | Due to its near "water-like" consistency, RIPO may also be applied using a solvent resistant hand pump spray pack.

## APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	10°C (50°F)	10°C (50°F)	10°C (50°F)	0%
Maximum	32°C (90°F)	37°C (99°F)	35°C (95°F)	85%
Optimum	20°C (68°F)	20°C (68°F)	20°C (68°F)	50%

Industry standards are for substrate temperatures to be above the dew point.

## CURING SCHEDULE

Surface Temp.	Dry to Handle	Dry to Touch	Dry to Topcoat
10°C (50°F)	12 Hours	8 Hours	12 Hours
15°C (59°F)	12 Hours	6 Hours	12 Hours
24°C (75°F)	8 Hours	4 Hours	12 Hours

Curing schedule based on 10 microns dry.

Where RIPO is to be topcoated with High Build Rust Barrier, only apply enough RIPO to wet the surface. Excess should be removed by wiping off with a clean lint free cloth.

## CLEANUP & SAFETY

**Cleanup** | Use Altex Thinning Solvent #45

**Safety** | For industrial use only: Read and follow all the caution statements on this Product Data Sheet, the product label, and the Safety Data Sheet (SDS) for health and safety information prior to use.

**Ventilation** | It is very important for the safety of the applicator and the proper performance of RIPO that good ventilation be provided to all portions of the enclosed area. It is equally important to bring into the enclosed area dry fresh air to remove all solvent vapours. Since solvent vapours are heavier than air, ventilation ducts should reach to the lowest portions of the enclosed areas as well as into any structural pockets. Ventilation should be provided throughout the cure period to ensure all the solvents are removed from the coating.

## PACKAGING, HANDLING & STORAGE

**Shelf Life** | 48 months at 24°C

**Shelf Life** | Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers. For products/components exceeding the stated shelf life, contact Technical Services for further advice.

**Storage Temperature & Humidity** | Optimum: 15-20°C

**Shipping Weight (Approximate)** | 1L - 0.9 kg  
4L - 3.6 kg

**Storage** | Store under cool, dry conditions.  
Avoid large fluctuations between high and low temperatures.  
Avoid the formation of condensate due to low temperatures.

## WARRANTY

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