



**Your Corrosion Solution**

## PRODUCT INFORMATION

### VAPPRO 887 MAGTAN

NATO STOCK # 6850.32.076.1181

<b>Function:</b> Vapour Corrosion Inhibitor (VCI)	<b>Application:</b> Rust Converter	<b>Form:</b> Liquid
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#### DESCRIPTION



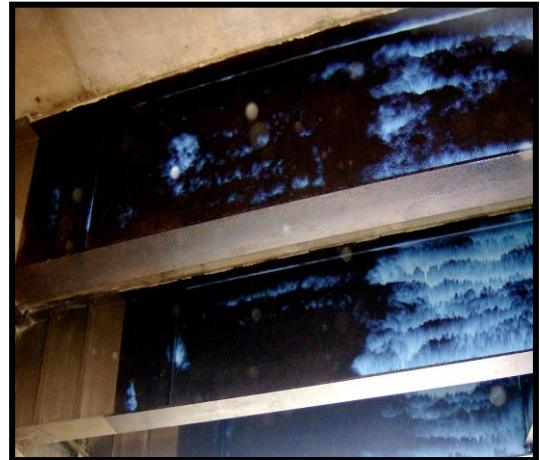
**VAPPRO 887 Magtan** is a non-pigmented rust converter primer that stabilizes firm rust by converting it to a more stable form of iron. The conversion process is accompanied by a dramatic color change from milky white to dark black.

**VAPPRO 887 Magtan** bears the NATO STOCK # 6850.32.076.1181.

#### THE THEORY BEHIND MAGTAN

Newly formed rust is chemically known as ferric hydroxide ( $\text{Fe}(\text{OH})_3$ ) or iron, which has reacted with oxygen (air) and moisture. Iron can combine with oxygen to form a variety of oxides depending on conditions of exposure. One of these oxides is magnetic oxide or ferrosferric oxide ( $\text{Fe}_3\text{O}_4$ ), a stable compound, which does not readily change as exposure conditions change. This stability is the basis for protection.

**VAPPRO 887 Magtan** oxidizes ferric hydroxide to an organic ferrosferric complex which is similar to magnetite (magnetic oxide). When incorporated into a coating system the chemical reaction of **VAPPRO 887 Magtan** is maintained.



#### APPLICATIONS

**VAPPRO Magtan** is versatile in its application and can be used in all types of industry.

- Automobile manufacturing, repair and maintenance
- Aviation
- Chemical and Petro-Chemical
- Marine and Mining
- General and Specialist Engineering Works, Structural and Civil Engineering
- Water works
- Painting Contractors
- Garages, Building Construction, Transport and Offshore

**PHYSICAL PROPERTIES**

Appearance	Liquid
Colour	Milky White
Clarity	Emulsion Liquid
Viscosity	Free Flowing
Drying Time	Touch Dry in 15 Minutes
Coverage	15 Square Metre Per Litre
Specific Gravity	Approximately 1.05

**DIRECTIONS FOR USE****SURFACE PREPARATION**

1. Remove dirt, flake rust, wipe clean
2. Scrape off old scaly paint and lacquers
3. If there are acids or lye on the surface, wash off with water
4. Degrease oily surfaces before applying **VAPPRO 887 Magtan**

**METHOD OF APPLICATION**

1. Shake or stir well before use
2. Surfaces warmer than 40°C should be cooled with water before application
3. Apply to surface with a brush or spray gun
4. If spraying, use a high pressure 2-4 ATU with a 0.8-1.0 mm airless nozzle
5. Allow 15-30 minutes drying time between coats
6. Apply a second coat where necessary

After 15-30 minutes the coated area should show a deep black color and be slightly shiny. If there is no gloss add another thin coat.

After 12-24 hours the coated surface can be painted. Any type of paint can be used including lacquers. When using water-based paints cover coated surfaces with an epoxy sealant.

**PACKAGING**

- Case of 4 x 5L Jugs
- 20L Pail
- 200L Drum



Highway underpass treated with VAPPRO 887 MAGTAN



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