



**MRST<sup>®</sup>** Molecular Reaction Surface Technology

# VAPPRO 887 RUST CONVERTOR

**NATO STOCK NUMBER:**  
6850-32-076-1181

## DESCRIPTION

VAPPRO 887 MAGTAN is an unpigmented primer that stabilizes firm rust by conversion to a more stable form of iron using Magna's state-of-the-art Molecular Reaction Surface Technology (MRST). The conversion process is accompanied by a dramatic color change from a milky white to black.

### THEORY BEHIND MAGTAN

Newly formed rust is chemically ferric hydroxide (Fe(OH)<sub>3</sub>) 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 (Fe<sub>3</sub>O<sub>4</sub>), a stable compound, which does not readily change as exposure conditions change. This stability is the basis for the protection. VAPPRO 887 MAGTAN oxidizes ferric hydroxide to form 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.

## AREAS OF USE

Because non-toxic VAPPRO 887 MAGTAN is so versatile in the method of application it can be used in every industry. Automobile manufacturing repair and, maintenance, aviation, chemical and petro-chemical, marine, mining, general and specialist engineering works, structural and civil engineering, water works, painting contractors, garages, building industry, transport and offshore etc. VAPPRO 887 MAGTAN is acidic, avoid contact with skin, eye and clothing. Avoid inhalation of fumes. Keep away from food and children.





## SURFACE PREPARATION

- Remove dirt, flake rust, wipe clean.
- Scrape off old, scaly paint, lacquers.
- If there are acids, lye or such on surface, wash off with water.
- Degrease oily surface before application of VAPPRO 887 MAGTAN.

## METHOD OF APPLICATION

- Shake or stir VAPPRO 887 MAGTAN well, before use.
- Apply via brush, spray gun to surface.
- Allow 15-30 minutes drying time between coats.
- Apply second coat where necessary.
- Surfaces warmer than 40°C should be cooled with water before application.
- If spraying: high pressure 2-4 ATU with nozzle 0.8-1.0 mm airless nozzle 0.8-1.0 mm

After 15-30 minutes, the coated area should show a deep black color and be slightly shiny. In case of no gloss, add another thin coat. After 12-24 hours, coated surface can be painted- even lacquers can be used- any type of paint can be used. In case of water-based paints, cover coated surfaces with an epoxy sealant.

## PRODUCT SPECIFICATIONS

**Color**  
White

**Clarity**  
Emulsion Liquid

**Viscosity**  
Free Flowing

**Drying Time**  
Touch Dry In 15 Minutes

**Coverage**  
10 to 12 sq. meter per liter @ 2mil(50 microns) thickness

**Specific Gravity**  
Approximately 1.2

## AVAILABLE PACKAGING

20 Liters Pail / 200 Liters Drum

For more information about the product or any technical support, please contact us or our authorized distributor:



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