

VAPPRO 804

Function:
Vapour Corrosion
Inhibitor (VCI)

Application:
Ballast Tank

Form:
Liquid

DESCRIPTION

VAPPRO 804 is a dark, liquid rust preventive material designed to provide effective protection for ferrous metal surfaces. **VAPPRO 804** is composed of petroleum oils combined with metal wetting agents and VCI rust inhibitors. The compound in **VAPPRO 804** enables it to penetrate rust scales providing protection to the base metal. The coating formed is durable and resistant to removal by water washing.



FEATURES

- Can be applied over wet surface
- Penetrates existing rust and scale to eliminate the need for extensive surface preparation prior to application of **VAPPRO 804**
- Outstanding rust protection:
 - Passes the ASTM salt water rust test (D665B).
 - Military specification MIL-R-21006 (SHIPS).
- Resists water washing
- Long service life: the protective film does not dry out, harden, crack, or peel

PERFORMANCE QUALITIES

Outstanding rust protection has been proven by extensive field experience around the world. **VAPPRO 804** conforms to the ASTM salt water rust test (D665B) and the simulated ballast tank test and salt spray test required for US. military specification MIL-R-21006 (SHIPS).

VAPPRO 804 is the ultimate chemical for mothballing refineries, power plants, ships and rigs.

DIRECTIONS FOR USE

VAPPRO 804 may be applied by spraying, brushing, or since it is lighter than water, by flotation method. **VAPPRO 804** is recommended for the arrest and prevention of rust in ships' ballast tanks, voids, cofferdams, chain lockers, barge brakes and other equipment where spraying, painting and flotation methods are used. It has also proven satisfactory for the inside surface protection of propeller hubs and rudder voids.

The preparation required before application of **VAPPRO 804** is minimal. If rusting is severe or silting is heavy, it is recommended that the loose scale or silt be removed with high pressure water hoses.

Any debris in the bottoms of tanks or voids, should also be removed. After preparation, pour the recommended amount of **VAPPRO 804** into the compartment and then raise and lower the water level to permit the **VAPPRO 804** to coat the metal surfaces.

Four passes (i.e. two fillings of the compartment with water) are usually recommended. Care should be exercised as the water level approaches the bottom to prevent vortexing at the drain and pumping part of the **VAPPRO 804** overboard. After flotation, overhead surfaces and air pockets that may not have been reached by flotation should be coated by spraying. Spray application can be accomplished with any type of paint spray equipment.

A simple calculation can be made for determining the amount of **VAPPRO 804** required to coat a tank. See chart below.

TANK HEIGHT (METRES)	FLOATING LAYER THICKNESS (MM)
0 - 0.5	5.0
0.5 – 1.0	6.5
1.0 – 1.5	8.0
1.5 – 3.0	9.5
3.0 – 4.5	11.5
4.5 – 6.0	12.5
6.0 – 7.5	14.5
7.5 – 9.0	16.0
9.0 - 10.5	17.5
10.5 - 12.0	19.0
12.0 - 13.5	20.5
13.5 - 15.0	22.0

The following formula can be used to determine the quantity of **VAPPRO 804**, in litres, required to adequately coat and protect the interior of any given tank or void space where the length, width and height are known:

Litres required = L x W x FT

where L = length in metres

W = width in metres

FT = film thickness in millimetres (from table)

Where heavy accumulations of rust or scale are present, it is recommended that the estimated quantity of **VAPPRO VCI 804** should be increased by 10%.

In small tanks of heights 1.5 to 6 metres, approximately 200 litres should be provided for each 100 kilolitres of capacity. In large tanks of heights from 7.5 to 15 metres, approximately 300 - 400 litres should be provided for each 100 kilolitres of capacity. When spraying interiors with **VAPPRO 804**, 1 litre should be provided for each 3.0 to 4.0 square metres of area.

Caution: **VAPPRO 804** should not be used in tanks intended for edible oils, drinking water or on surfaces where people may walk.

PACKAGING

- 20 Litre pail
- 200 Litre drum

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