



SUPERSOFTCOAT

SPECIAL COATING FOR BALLAST TANK PROTECTION

Description

SUPERSOFTCOAT has been specially designed to give an effective corrosion protection in ballast tanks, cofferdams , bilges, barges, floating docks, offshore leg support tanks and void spaces.

SUPERSOFTCOAT is an inorganic-organic complex which has a platelet crystalline structure similar to « fish scale ». These platelets are polar in nature and produce a dense, light coating which provides an effective barrier to corrosion by allowing a low rate of vapor transmission.

The main properties of **SUPERSOFTCOAT** are: easy to apply, safe to use, economical, environmentally friendly .

EASY to apply :

- no special preparation of the surfaces is required.
- ready to use without any solvent or dilution
- two methods of application are available without specific equipment : spraying and flotation.

SAFE to use :

- non flammable during application and after drying.
- non slippery after some hours of drying.
- don't require special clothing or breathing equipment .

ECONOMICAL :

- small thickness is sufficient : the live results show that 75 μ (3 mil) thickness give as long protection as 300 μ (12 mil) thickness of world war II type coatings based on tallow or woolgrease materials.
- short time required for application.

Application and Use

The choice of the method depends on several parameters like the application allowed time, geometry of tank, training of crew or workers...

Usually, spraying is the preferred method of application and requires the least amount of material for a longer protection.

Geometry of tanks or particular conditions can need flotation method.

These directions present the general conditions for a good use of SUPERSOFTCOAT.

In state of doubt or for more details, consult Starmarine technical service.

1. Determine the geometry and calculate all the areas to be treated.

Use technical data of each tank or measure the different surfaces : bottom, sides and top.

If actual square footage is not available, it should be estimated keeping in mind that internal structures may require up to 5 times the gallons required for only the boundary (L,W,H) tank dimensions ;

2. Determine the quantity of **SUPERSOFTCOAT**

Read below following the selected method.

3. Prepare the tank surface which will be coated.

Removing mud, silt and loose rust, scales or paints is sufficient for a good use of **SUPERSOFTCOAT**. Usually water with fire-hose nozzle is sufficient.

Sandblasting or wire brushing are not required.

A careful preparation gives best results and needs less product.

4. Apply **SUPERSOFTCOAT**

For the application, the surface don't need a complete drying. However, best results are obtained with dry surfaces ;

Do not apply with temperatures below 10 ° C

5. Allow 48 hours with normal ventilation before putting tank into service.

SPAYING APPLICATION

Suitable equipment is an airless high pressure ARO – washpump or equivalent.

The usual sizes of spray nozzles are 0.023 to 0.027 inch (or bigger) following the viscosity due to the temperature.

A single coat, double pass, is preferred and should provide 75 μ (3 mil) thickness.

On a new construction, this is equivalent to spray coverage of 500 square feet per gallon (12m² per liter).

In these conditions, a 55 gallons (208 liters) drum of **SUPERSOFTCOAT** is usually sufficient for a 27500 square feet (2500 m²) area.

On rusty surfaces, this is equivalent to approximately 250 square feet per gallon (6 m² per liter).

In these conditions, a 55 gallons (208 liters) drum of **SUPERSOFTCOAT** is usually sufficient for a 13500 square feet (1200 m²) area.

PRECAUTIONS

Product is affected at temperature of or below – 4° C (25° F).

If contents of drums are subject to lower temperatures, storage in a warm room will return product to its normal condition.

SUPERSOFTCOAT should not be used in potable water tanks or tanks used for edible materials.

SUPERSOFTCOAT is a semi hard film and traffic in the tank should be minimized. It does not dry to a conventional hard film as a paint. However

SUPERSOFTCOAT does not produce slippery conditions, contrary to wool grease based coatings.

Important : Do not use more product than necessary. In case that there is some product in excess, it will flow to the bottom of the tank. If quantity is enough, it should be pumped back to the original drums and kept aside for further touch-ups. If excess quantity is minimal it is advisable to transfer it to the double bottoms.

SUPERSOFTCOAT does not breakdown in the conventional manner, it will however use itself up by oxidizing. When this happens, rust will begin to form.

SUPERSOFTCOAT can be applied over existing rusty surfaces to stop rusting. Due to the polar nature of the product, it seeks out base metal and attaches itself to it ; making existing rust to fall down.

Periodic inspection is recommended. **Touch-up bare areas as required.**

Specifications

SUPERSOFTCOAT does not contain any solvent therefore, there is no loss of film thickness due to evaporation.

Do not dilute with solvents.

Form : tan liquid

Composition : a blend of selected oils and rust preventatives

Stability : stable after repeated freeze-thaw cycles

Specific gravity : 0.92 kg/liter or 7.6 lbs/US gal.

Viscosity at 23.9 °C(75°F) : 100 centipoise