



TECHNICAL DATA SHEET

GRODAL CORE 40

Emulsifiable oil with antirust properties

DESCRIPTION :

GRODAL CORE 40 is an amber coloured water emulsifiable rust preventive oil. It has been designed to provide a protective coating against corrosion on the ferrous and non ferrous metals. It also provides superior protective coating against corrosion on phosphated parts. It can be easily emulsified at room temperature.

TECHNICAL DATA :

Appearance	:	Amber coloured liquid
odour	:	characteristic
specific gravity	:	0.90
Colour of 10% emulsion	:	Milky white to brown coloured
Refractometer factor	:	1
Viscosity @ 40°C	:	40 cst

BENEFITS :

1. It provides very extended salt spray resistance for zinc and manganese phosphatized parts.
2. It provides a salt spray resistance higher than 60 hrs to parts that have previously been coated with zinc or manganese even when 10% concentration is used.
3. For the ferrous and non ferrous metals if the 10% concentration is used it gives 24 hrs salt spray life. salt spray increases when concentration increases.
4. It is soluble in water so that the consumption will be lower.
5. The emulsion remains stable even at high temperature.
6. It wets the parts all over their surface.
7. It can be easily removed by means of solvent or alkaline cleaners.
8. It does not require heating during down time
9. It emulsifies the water on part, leaving an oily antirust film.

Preparation of the solution :

1. Fill the tank upto a 3/4 of its capacity with deionized water. Add the required quantity of GRODAL CORE 40 while stirring slowly.
2. Add water up to the final volume, while stirring for homogenous solution.

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WORKING INTERVAL :

Concentration of GRODAL CORE 40 : 10 - 20 & above in volume
Immersion time : 45 - 75 sec

EQUIPMENT : Tanks and related materials should be built in mild steel. It can be applied either through immersion or spraying.

REPRESHMENT : In order to get constant results, check the content of GRODAL CORE 40 regularly.

Concentration by Refractometer : Reading x factor

Analytic control :

1. Take 50ml of bath solution in 100ml graduated cylinder.
2. Add 40ml of 50% sulphuric acid. cover up and leave at rest for 30min or more. The remains on the upper part.

Calculation : Concentration of GRODAL CORE 40 : ml of oil multiplied by 1.66

GENERAL INFORMATION :

Cleaning : To guarantee a good protection against corrosion, all parts should be previously cleaned in order to remove from them any dust, grease or dirty elements.

Rinsing : Acid or alkaline salt may break down the emulsion. parts have to be carefully rinsed before dipping them in GRODAL CORE 40.

Water Hardness : It is recommended that GRODAL CORE 40 should be used with deionized water.

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