

Protect 1882

Conservation product for the preparation of the emulsion on the water

Product description:

Protect 1882 is a composition developed specifically for intermediate protection of steel pipes from corrosion. It is supplied as concentrate and used in the form of water based emulsion by spraying on the pipe line on the last zone of tube welding mill or dip method, for example for sealing of phosphate coatings. The product forms a thin organic layer, which protects steel from corrosion up to 8 months in closed storage environment. Coating is easily removed by alkaline degreasing in conventional cleaning processes.

Protect 1882 is based on mineral oils, contains a set of corrosion inhibitors and wetting additives. It creates a uniform coating with excellent protection properties.

Protect 1882 is applied as an aqueous emulsion at a temperature of 10 degrees Celsius. The product mixes easily with water, forming finely dispersed emulsion, stable over a wide range of water hardness and high content in its chloride and sulfate.

Protect 1882 is designed primarily for steel and cast iron, but can also be used for aluminum, copper and other metals.

Protect 1882 is not toxic, does not have a specific smell.

Application Instructions:

Protect 1882 should be mixed with water to form a working emulsion.

The concentration of working emulsion depends on the required time corrosion protection under certain conditions of storage or transportation of tubes, as well as a number of features of a production nature.

As indicative of data: the concentration in the tube welding line: 8 - 20%; at the stage of sealing of phosphate coating: 3-8%. In each case, the concentration is determined individually based on the recommendations of the Technical Services of MetalChem or its own challenge.

Preparation of working emulsion:

Fill the tank with water to the required level and heat to operating temperature. Add the specified quantity of Protect 1882 under stirring until it forms smooth emulsion.

Attention! Always add product to water and not vice versa.

When flushing the system use the following method: dispose the tank for the volume needed for circulation of the emulsion, add 1-2% Techotside DT or other disinfectant composition, flush the system for 1-2 hours and remove sediment from the bottom of the tank.

Fill with fresh solution at a concentration of 2-3% and include the circulation pump. Depending on the volume of the system, but usually after 10-15 minutes, leaving the pipeline, visually verify that the circulating solution is not polluted sediments. Ensure that pH of the emulsion corresponds to that stated in the certificate of quality for the product. After that, adjust the concentration up to operating level.

For a more thorough cleaning of technical service will provide any recommendations.

Control:

ООО "МеталХем" РФ
344002, Ростов-на-Дону,
Ул.Социалистическая, 74

www.metalchem.ru
Тел. (863)268-95-15
metalchem@metalchem.ru

ИНН 6165155416
КПП 616401001
ОКПО 62241843

Р/сч 40702810490000000256
АКБ «Росевробанк» (АО)

In most cases the refract meter gives a fairly reliable data on the concentration. However, if the emulsion is contaminated refract meter readings will be inaccurate. In such case, use the technique of titration alkalinity acid: take sample of 100 ml of working emulsion and add 5 drops of methyl red, titration is 0.1 N solution of sulfuric or hydrochloric acid to color change from yellow to red. Number of consumed ml of 0,1 N acid solution, multiplied by a factor of 3.4 corresponds to the concentration of product in grams per liter.

Recycling:

Protect 1882 is produced in accordance with Regulation EC №1907/2006 REACH Registration Evaluation and Authorization of Chemicals.

Product as well as the coating is non toxic, has no specific smell

The splitting of the emulsion must be done accordin

Storage:

Protect 1882 must be stored in their original packaging, with an ambient temperature of 5-50 degrees Celsius. Shelf life 24 months from the date of manufacture.

Safehandling and transportation:

Data are presented in the corresponding Material Safety Data Sheet.

This information is based on our current level of knowledge. It is given in good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein. In any case MetalChem Technical Service is at your disposal for Ia tests as well as for start up of the line, operators training, sampling and analyzing. g to rules adopted by the company in accordance with a local rules for recycling oily wastewater.