

Mabanol Protect Concentrate

Mineral oil based, water emulsifiable anti-corrosion agent concentrate

Application

Mabanol Protect Concentrate is a mineral oil-based corrosion protection agent that can be emulsified with water and is suitable for protecting steel (alloyed and unalloyed) and cast iron. Mabanol Protect Concentrate is free of boric acid, contains amines, does not release formaldehyde and, due to the selected additives, forms a waxy, non-resinifying corrosion protection film.

Properties

Thanks to its good adhesion to metal surfaces, Mabanol Protect Concentrate reliably protects against corrosion even on parts wetted with water when the treated workpieces are stored indoors. The layer thickness and the duration of protection vary depending on the concentration used.

Aqueous-alkaline cleaners are suitable for removing the anti-corrosion film from the workpieces.

Remarks

The correct preparation of an emulsion takes place by slowly pouring the concentrate into the prepared preparation water while stirring at the same time or with the help of automatic mixing devices.

Corrosion protection agent:
5% - 20% in water

The concentration of the in-use solution can be checked by using a refractometer. The refractometer reading must be multiplied by the refractometer factor to reach the desired concentration.

The concentrate forms a stable emulsion in the recommended preparation water of 5 °dH to 30 °dH and is temperature-stable up to approx. 80 °C in use.

Minor variations in colour and appearance could occur depending on the selected raw materials but have no impact on the functionality of the fluid.

Storage of treated components

Indoor: max. 12 months
Outside: not provided

If prolonged protection is required, treatment with Mabanol Protect Concentrate should be repeated.

Data

	Unit	Value
Concentrate		
Mineral oil	%	Approx. 45
Density at 15°C	kg/m ³	930
Kin. Viscosity at 20°C	mm ² /s	200
Flashpoint PM	°C	>100
Film thickness		depending on concentration
Emulsion		
pH at 5%		9,1
Refractometer factor		1,0

Shelf life / storage conditions

Stable for 12 months when stored at a temperature of 5 °C to 40 °C in unopened containers

The above values may vary within the commercial limits.
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