



Castrol Rustilo Aqua 2 FD

Soluble Corrosion Preventive Oil

Description

Castrol Rustilo™ Aqua 2 FD is a medium viscosity mineral oil, containing film forming additives and coupling agents, supplied as a concentrate for dilution with water prior to use.

Application

Rustilo Aqua 2 FD is a medium term rust preventive which is used as an emulsion. It leaves an ultra thin, oily film on components after the evaporation of the water phase.

Rustilo Aqua 2 FD is used as an inter-operational protection for all components made of steel, cast iron, yellow metals, aluminium and its alloys.

Rustilo Aqua 2 FD used to be applied by immersion or flooding, preferably at 50 - 60 °C to support drying and to limit bacterial growth.

Advantages

- Solvent-free, complies with EC Solvent Directive (1999/13/EC).
- Less fire hazard than with normal solvent based products.
- Can be used as a mild cleaner/preservative.
- Cost effective and economical.
- Excellent wetting properties.

Typical Characteristics

Name	Method	Units	Rustilo Aqua 2 FD
Appearance (Concentrate)	Visual	-	Dark Brown Fluid
Density at 15°C	DIN 51 757	kg/m ³	918
Flash Point	ISO 2592	°C	>150
Viscosity at 40°C	DIN 51 562	mm ² /s	81
Film Type	-	-	Thin, oily
Appearance (10% emulsion)	Visual	-	Milky Emulsion
pH (10% emulsion)	-	-	9.2
Corrosion Protection (20% emulsion)	Indoor Storage	Months	8-12
Corrosion Protection (20% emulsion)	Outdoor Storage	Months	Not Recommended

User Advice

- Make up an emulsion by adding the Rustilo Aqua 2 FD to water (preferably at 35 °C).
- Typical concentration used to be 10 – 20%.
- Being a semi-stable emulsion it is beneficial to keep the bath in constant circulation, i.e. by a circulation pump, stirrer or continuous component throughput.
- Check concentration, pH and bath level regularly, especially if hot.
- The protective film must be completely dried before packaging.

Additional Information

- "Indoor storage" describes the storage of ferrous components in closed store-rooms having a relative humidity of 60%. Increased protection times could be achieved when treating finished surfaces or store the parts in a sealed pack.
- "Outdoor storage" describes open storage, which assumes primary protection from the elements by tarpaulin or other form of cover.
- Influence of temperature may cause some cloudiness, which is reversible and doesn't have an impact on product quality.
- If required protective films of Rustilo Aqua 2 FD can easily be removed by using a petroleum solvent or alkaline process cleaner, all available from Castrol.

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