



Rustilo™ DWX 30

Dewatering corrosion preventive

Description

Castrol Rustilo™ DWX 30 is a powerful solvent deposited corrosion preventive with good dewatering properties. The product, after evaporation of the solvent, leaves an ultra-thin greasy protective film.

Application

Rustilo DWX 30 rapidly removes water from components subsequent to electroplating processes, after machining with a soluble cutting fluid, or parts that have been washed. The product can displace water from very intricate assemblies and components.

The very thin residual film provides effective medium term protection against corrosion during intermediate storage or transportation.

Although Rustilo DWX 30 can be applied by brushing or spraying, its dewatering action is most effective if the articles to be protected can be immersed in a dip tank.

Advantages

- Contains a corrosion inhibitor package suitable for moderate conditions which provides reliable protection of components.
- Good water displacement and penetrating properties which avoids water entrapment and corrosion under film
- Good stability against acidic and alkaline contaminations which enables a long bath-lifetime to help reduce operational cost.
- Forms an ultra-thin, even film, which does not interfere with air gauge or light refractory measuring equipment; therefore it need not be removed from components subject to inspection
- Effectively suppresses fingerprint corrosion on bright steel and finely finished metal components during manufacture.
- Fast drying time helps to achieve high levels of productivity.
- Compatible with most mineral oils; is suitable for the protection of hydraulic system parts
- If required protective films of Rustilo DWX 30 can be removed by using a petroleum solvent or alkaline process cleaner, all available from Castrol

Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual	-	Clear, light brown fluid
Density @ 15°C	ASTM D4052	g/ml	0.80
Flash Point, PM	ASTM D93	°C	44
Viscosity @ 20°C	ASTM D445	mm ² /s	1.4
Film type	Visual	-	Ultra thin, greasy
Total Film Forming Content	Calculated	%	8
Film Thickness	In-house	µm	0.8
Coverage	In-house	m ² /L	115
Drying Time @ 20°C	In-house	min	30
Corrosion Protection	(*) Indoor Storage	Month	8 – 12
	(**) Outdoor Storage	Month	3 - 6

Subject to usual manufacturing tolerances.

Additional Information

The claims on film thickness and coverage are average values. These are valid for smooth surfaces with good drain-off characteristics and simple geometries without holes or recesses.

Average drying time is the time until the majority of the solvent is evaporated at ambient temperature and a relative humidity of 60 – 70%. The full corrosion protection will be provided when the solvent is completely evaporated.

(*) "Indoor storage" describes the storage of ferrous components in closed store-rooms having a relative humidity of 60%. Increased protection times could be achieved by treating finished surfaces or storing 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.

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 30 °C / 41°F and 86°F.

Product must be used in a liquid form. Influence of temperature may cause some cloudiness, which is reversible and does not have an impact on product quality or corrosion protection performance in most instances.

For more details, please refer to the product safety data sheet