Product Data

Rustilo™ 181

Solvent based corrosion preventive

Description

Castrol Rustilo™ 181 is a dark brown solvent deposited corrosion preventive fluid which, after evaporation of the solvent, gives a hard waxy yet flexible film.

Application

Rustilo 181 is a long term protective for use in severe conditions where a high degree of protection is required.
It is ideal for protection of to certain engine spares such as fuel injector nozzles, fin tubes and similar highly finished parts prior to long-term storage or transportation.
Rustilo 181 used to be applied by immersion, brush or spray.

Advantages

- Contains a powerful corrosion inhibitor package suitable for severe conditions - provides reliable protection of components
- Good mechanical film strength and finger print suppressing properties - highly finished work not damaged by handl improves product quality
- Long bath-lifetimes possible - increases changing intervals and hence reduces operational cost
- Easy to apply and short drying time - enables high level of productivity
- Free from heavy metals, such as Barium - improves environmental profile and helps reducing waste disposal cost
- If required protective films of Rustilo 181 can be removed by using a petroleum solvent or alkaline process cleaner, available from Castrol

Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual	-	amber fluid
Density @ 15 °C	DIN 51 757	g/ml	0.86
Flash Point	DIN 51 755	°C	40
Viscosity @ 20 °C	DIN 51 562	mm²/s	65
Film Type	Visual	-	Hard, waxy
Film Thickness	In-house	µm	20 - 40
Consumption	In-house	kg/100 m²	7 - 10
Corrosion Protection	(*) Indoor Storage	Years	Up to 8 - 10
	(**) Outdoor Storage	Month	12 - 24
Drying time	-	min	105

Subject to usual manufacturing tolerances.

Additional Information

The claims on film thickness and consumption 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 just 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 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.

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 the product safety data sheet.