

Rustilo™ DW 150 X

Dewatering corrosion preventive

Description

Castrol Rustilo™ DW 150 X (previously called SafeCoat™ DW 15 X) is a premium quality solvent deposited corrosion preventive with excellent dewatering properties.

The solvent, after evaporation, leaves a thin oily protective film.

Application

Rustilo DW 150 X rapidly removes water from components subsequent to electroplating processes, after machining using soluble cutting fluids, or parts that have been washed. The product can be used to avoid the formation of water spots, to cover surface pores and create shiny surfaces.

The very thin residual oil film provides a short term protection against corrosion on small precision parts during intermediate indoor storage.

Although Rustilo DW 150 X 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

- Good operator acceptance as based on a mild odour isoparaffin solvent
- Heavy metals free (for example Barium) which may help you to fulfil aspects of legislative requirements and waste treatment requirements that specify that these chemicals are excluded
- Leaves a very thin residual oil film that provides a short term inter-operational protection
- Excellent water displacing and penetrating properties which avoids water entrapment and corrosion under film
- Good stability against acidic or alkaline contaminations enables a long bath-life to help reducing operational cost
- If required, protective films of Rustilo DW 150 X 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	-	Yellow fluid
Density @ 15°C	ASTM D4052 / ISO 12185	g/ml	0.78
Viscosity @ 20°C	ASTM D445 / ISO 3104	mm ² /s	1.8
Flash Point, PMCC	ASTM D93 / ISO 2719	°C	67
Film Type	Visual	-	thin, oily
Total Film Forming Content	Calculated	%	10
Film Thickness	In-house	µm	1.5 - 2.0
Drying Time @ 20 °C	In-house	min	40 - 60
Corrosion Protection	(*) Indoor Storage	Month	1
	(**) Outdoor Storage	Month	not recommended

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 fully dried 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 45 °C / 41°F and 113°F.

Product must be used in a liquid form. Influence of temperature may cause some cloudiness, which 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

This product was previously called SafeCoat DW 15 X. The name was changed in 2015.