



SafeCoat DW 33

Dewatering corrosion preventive

Description

Castrol SafeCoat™ DW 33 is a high quality solvent deposited corrosion preventive with good dewatering properties. The solvent, after evaporation, leaves a firm greasy protective film.

Application

SafeCoat DW 33 is a long term protective for use in severe conditions where a high degree of protection is required. It is ideal for protection of machine tools and components prior to long-term storage or transportation. The product also shows good water displacing properties. Although SafeCoat DW 33 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

- Based on low aromatic solvent (aromatic content less than 0.5 %).
- Free from heavy metals, such as Barium.
- Stable film characteristics reduce run-off loss and thus increase process reliability.
- Fingerprint suppressant.
- Good water displacing and penetrating properties.
- High stability against acidic and alkaline contaminations.
- Long bath-lifetimes possible.

Typical Characteristics

Name	Method	Units	SafeCoat DW 33
Appearance	Visual	-	Dark brown fluid
Density @ 15°C	DIN 51 757	kg/m ³	830
Flash Point	ASTM D 93	°C	>61.5
Film Type	-	-	Firm greasy
Total Film Forming Content	-	%	40
Film Thickness	-	µm	7
Consumption	-	kg/100 m ²	1.6
Corrosion Protection	Indoor Storage	Month	24
Corrosion Protection	Outdoor Storage	Month	12
Drying time @ 20 °C	-	min	120

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.
- Influence of temperature may cause some cloudiness, which is reversible and doesn't have an impact on product quality.
- If required, protective films of SafeCoat DW 33 can be removed by using a petroleum solvent or alkaline process cleaner, all available from Castrol.

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