



Rust Proof Compound L

Proven performance calcium soap of oxidised wax

Product description

Rust Proof Compound L is a proven performance calcium soap of an oxidised wax, which is cut back to 60 % solids using a +72°C to +80°C flashpoint aliphatic solvent. It is formulated to meet the requirements of MIL-C-16173D-4 and associated specifications for automotive cavity protection.

Rust Proof Compound L has been softened to a grease-like material and can be applied by brush or by airless spray-gun, without having to heat the product.

Customer benefits

- Forms a waterproof, non-hardening, self-sealing film
- Creeps into seams
- Penetrates existing rust
- Will not weather, harden, crack, peel, slide or chip

Applications

- Wherever iron or steel is exposed to the atmosphere, inside or outside, it is subjected to rusting. Rust Proof Compound L can protect against this before, during and after manufacturing into finished parts.

Product highlights

- **Waterproof, non- hardening, self-sealing film**
- **Creeps into seams**
- **Penetrates existing rust**
- **Weather, crack, peel, slide and chip resistant**

Selected specification standards include:

MIL-C-16173D-4

Rust Proof Compound L — Continued

Major applications

- Automotive cavity sections
- Preservative film during metal seam welding
- Automotive underbody coatings
- Heavy duty coatings for steel sections exposed to salt weathering
- Preservative and mould release wax for light weight concrete formwork

Contractors and Farm Equipment

- Concrete mixers, metal concrete forms, dozer blades, ploughs, cultivators (when stored in off season)
- fuel storage tanks, iron gates and fences, etc.

Heavy Industries

- Steel and paper mills and other heavy equipment – particularly in hostile environments – where manufacturers protect equipment such as overhead cranes, tanks, the underside of walk ways, pipes (where not in contact with personnel) and fabricated equipment in storage, etc.

Rust Proof Compound L should NOT be used to protect the inside of portable water tanks or the internal piping of potable water systems.

Note: Rust Proof Compound L is not suited to be used as a petrolatum or grease, or in very thick coatings. When applied too thickly it will sag.

Approvals, performance and recommendations

Performance

- Meets the requirements of MIL-C-16173D-4

Storage and handling

How should the product be applied?

- The inside of tanks must first be cleaned and dried, before a thin layer of rust proof compound is applied. For restoration of old structures, the metal surface is sand blasted and coated with a metal paint. Over this paint layer the rust proof compound L is applied.

Minimum application temperatures

Method of application	Rust Proof Compound L
Brushing	18°C
Spraying	18°C - 54°C
Dipping	
Operating Temperature range of the applied film after evaporation of the solvent	-50°C up to 150°C

Brushing

- Rust Proof Compound L can be brushed on easily at temperatures above 18°C (65°F). If needed the product can be diluted with a suitable solvent.

Spraying

- Rust Proof Compound L can be sprayed, provided it is thinned out to the proper fluidity. When needed, the product can be diluted with a suitable solvent. The amount of solvent required depends on the spraying equipment, the temperature of application, and the temperature of the metal being sprayed. Normally 10 to 20 percent is usually enough. Never spray or brush in a confined space without adequate ventilation.
- Rust Proof Compound L has about the same flammability as ordinary oil- based paints.

Storage

- Rust Proof Compound L must be stored in clean and dry conditions away from other combustible materials, heat and direct sunlight. Protect from frost.
- When stored in the recommended manner, a small degree of footing of the product may occur over time, but this will not detract from the performance of the fluid in service.

Note: During storage a liquid brown layer can be formed on top of the product. This can be easily mixed back in using moderate stirring. If there is a need to make application easier then additional dilution can be carried using an aliphatic solvent. Since Rust Proof Compound L is thixotropic, during storage the product can become harder; remixing will soften the product.

Rust Proof Compound L – Continued

How to remove the film

- The rust proof compound film can be removed by solvents or by high pressure guns. The hot water or water with alkaline cleaner will degrease the metal surface perfectly.

Waste Disposal

- Dispose of the waste material in compliance with local regulations.

Typical test data		
Test	Test Methods	Results
Rust Proof Compound		L
Shelf Life: 60 months from date of filling indicated on the product label.		
Appearance	Visual	Dark, soft gelled fluid
Pour point, °C (pure product)	ASTM D127	25
Density, 20 °C, Kg/l	ASTM D1298	0.91
Active content, %	—	60
Colour	ASTM D1500	Max 7.5
Flash point, °C	ASTM D92	74
Salt fog resistance, hrs	ASTM B117	500 at 40 µm
Solvent %	ST0127	40
Solvent Type	—	Kero

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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