



FORMULA 70

STEELGARD RUST PREVENTIVE



SURFACE PREPARATION

- For maximum protection, surfaces should be free from dirt and oil. Formula 70 can be applied over damp metal surfaces. In many instances, the coating has been applied to oily surfaces with good results.

APPLICATION

- Formula 70's water-based coating will freeze at 32°F (0°C) and should be applied and stored above 32°F (0°C). At room temperature, Formula 70 normally dries in about 15 mins and will completely cure to a water-resistance coating which will not be washed off by water in 24 hours. This rust prevention coating should be allowed to cure for 1 day before being put in service.

To remove the protective coating, simply use an alkaline cleaner. Formula 70 can be applied by spray, brush, dip coating or roller.

DIPPING

- Dipping application is recommended where a large number of small parts are protected. Draining time is usually less than one minute. Rust preventive formulation of pools in recessed areas should be avoided.

SPRAYING

- Formula 70 may be used on any spraying equipment designed to work with water-based coatings. The viscosity of Formula 70 is sufficient to ensure a uniform corrosion-resistant surface on vertical or horizontal surfaces. Formula 70 should be sprayed as concentrated form as thinning or dilution with water may produce poor results. Spraying equipment should be rinsed with water at the end of the day.

DRYING TIME

- Formula 70 provides excellent protection for indoor and outdoor storage. It sets quickly at room temp usually within 15 mins. Upon setting, it changes visibly from a soft milky film to a dry-touch translucent wax-like film. The curing process normally takes 24 hours but may be completed in as little as 5 mins with blower fans, heat lamps or drying rooms. Coating should not be subjected to rain until film has been cured.

BENEFITS OF FORMULA 70

- OSHA & EPA Friendly** – contains no toxic or harmful material. Formula 70 is a clean and safe alternative to dirty and flammable solvent-based rust preventives.
- High-Performance Corrosion Resistant** – water-dispersed corrosion preventive compound leaves a white waxy coating on the surface of the metal. Formula 70 is rust-proof for long term indoor or medium term outdoor storage.
- Passed Standard Humidity & Salt Spray Tests** – Protects your metal parts for over 2000-hours humidity performance and over 336-hours protection in standard ASTM B-117 salt-spray performance cabinet. Also meets the Military Specification MIL-C-16173D-Grade 1.
- Stable** – Formula 70's firm corrosion-resistance coating will not transfer, abrade or run under normal handling. The floor of your packaging area, storage bins or packages sent to your customers will not be oil-stained or messy.
- Neutralises Metal Corrosion** – Formula 70's active corrosion inhibitor system neutralises metal corrosion normally attributed to fingerprints from parts handling.

This protective coating and its chemical system are compatible with lube oil so they do not need to be removed from internal engine parts before assembly.

PHYSICAL PROPERTIES

Appearance	: Cream Liquid
pH	: 8.6 – 9.6
Viscosity @ 77°F	: 150 + 25 p.c.s
Density	: 8.0 – 7.9 lbs/gallon
Percent Solid	: 34 – 42
Mil Thickness	: 2.0 + 2.5 Mil dry
Colour (Wet)	: White
Colour (Dry)	: Translucent
Humidity Cabinet	: 2000 Hours
Salt Fog	: 300 Hours
Drip Time	: 3 – 4 Minutes
Dry Time	: 15 Minutes
Coverage	: 650 – 700 ft ² per gallon
Packing	: 25 litres drum

