HERNON®
Formulating Solutions

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Rust Inhibitor 40

Product Description

Hernon® Rust Inhibitor 40 is an effective corrosion remover and rust preventative which leaves a protective finish for up to 1 year. Produces a clean, dry surface that can be painted, plated or powder coated afterward with no pre-cleaning. Not for use with zinc plated or magnesium items.

Typical Applications

Rust Inhibitor 40 is used on rusted steel when only a minimum surface preparation is practical. **Rust Inhibitor 40** protects, cleans and leaves a protective coating:

- Duct work, overhead cranes and booms
- Municipal and highway sign-posts
- Conveyors, supports, guard rails, fences
- Power plants, heating and cooling plants
- Storage tanks, truck trailers
- Pipes, valves

Product Benefits

- Easy to use
- Non-flammable, low toxicity
- One component
- Passivates metals
- Long lasting protection
- No after Rinse

Typical Properties

Property	Value
Resin	Acrylic
Appearance	Clear
Specific Gravity	1.13
Viscosity at 25ºC, cP	225 to 500
Flash Point, ºC	None - aqueous medium

Use and Application

Surface Preparation

Loose rust, oil paint and mill scale should be removed preferably by power wire brushing, followed by rinsing with water to remove powder and soluble. Wipe with a clean dry cloth.

Directions for Use

1. Mix thoroughly before using.
2. Remove oil, dirt and grease from surface. Wire brush to remove flaky rust and loose scale. Sanding is not required.
3. Pour into clean container for easy application by brushing or apply directly to surface and brush out.
4. Gloves should be worn during this process.
5. Sponge or brush on liberally. An airless sprayer may be used.
6. Allow to dry completely before painting.
7. Rollers, brushes and other tools should be cleaned immediately with detergent and water. Flush spray equipment immediately after use with detergent and water. **Rust Inhibitor 40** is difficult to remove when dry.

Application Conditions

Rust Inhibitor 40 may be applied when surface and air temperature is between 50ºF (10ºC) minimum and rising and 90ºF (32º) maximum and falling. Reaction is slower at lower temperatures. If temperature is too hot, film may surface dry and bubble. High humidity is beneficial; it slows drying but assists rust conversion.

Rust Inhibitor 40 should not be applied in conditions of condensing humidity (e.g. dew, fog), on ice, in rain or in heavy sea (salt) spray atmospheres. Steel surfaces may be damp but not wet (i.e. continuous visible film of water). **Do not apply Rust Inhibitor 40 to surfaces in direct sunlight.**

Application Equipment Methods

Rust Inhibitor 40 may be applied by spray, roller or brush. Roller or brush is suitable for small areas. Avoid sags and ridges and keep wet by coating about a square yard at a time. Roll away from previously coated area then roll back. **Do not pour unused material back into the original container or dip brushes in original container. NEVER add solvents to Rust Inhibitor 40.**

Spray application is recommended for larger areas. Airless spray equipment is faster and provides more effective conversion due to improved surface penetration. Conventional air-spray equipment may be used but **Rust Inhibitor 40** may require thinning up to 10% with water for proper spraying.

Where cratering, pitting or heavy surface profile is evident, use two coats of **Rust Inhibitor 40.**

As with all paint systems, a test patch is recommended.

Clean Up
When **Rust Inhibitor 40** dries, it is extremely difficult to remove; therefore, spatters should be cleaned as they occur. Immediately after use, contaminated brushes, rollers, trays, etc., should be cleaned with cold tap water and detergent. Spray equipment should be flushed through immediately with mild detergent and water and rinsed with fresh water. Containers should be closed after every use to prevent skinning.

General Information

Storage
Rust Inhibitor 40 should be stored in a cool, dry location in unopened containers at a temperature between 45ºF to 85ºF (7ºC to 29ºC) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused material, do not return any material to its original container.

Dispensing Equipment
Hernon® offers a complete line of semi and fully automated dispensing equipment. Contact **Hernon**® **Sales** for additional information.