

Product Description

HinderRUST® HV500 – Black is an industrial grade non-drying, ruggedized version of HinderRUST HV100. Engineered to be a mobile rust stopper lubricant with UV protection and contains additional thixotropic properties to provide outside exposure protection while attractively covering over existing rust. HinderRUST HV500 goes on as a thick liquid and slowly converts to a waxy film in time. HinderRUST HV500 is not a paint, but a boundary film protection against corrosion.

Features

- Naturally polymerizes to a wax-like surface over 6 week period
- Provides a strong barrier against moisture and oxygen
- Apply over existing rust to stop and prevent new rust from forming
- UV-resistant black color
- Metal wetting and water displacing
- Safe to use in confined spaces
- PFAS-free except for aerosol version, which is formulated with PFOA/PFOS-free PTFE.



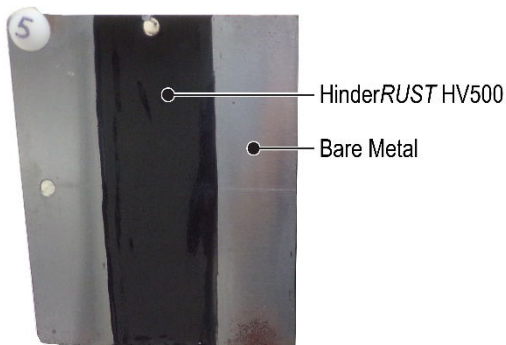
Benefits

- No surface prep is required on tightly adhered rust
- Creeps and migrates into tight seams and around cables
- Compatible with today's engineered plastics and rubbers

Applications

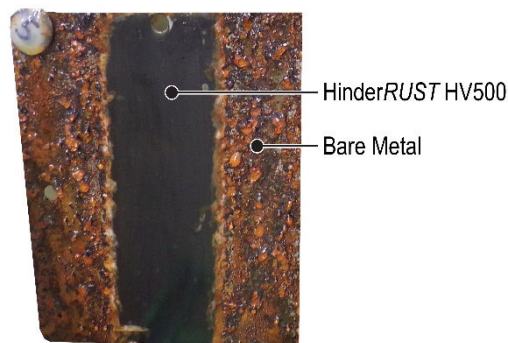
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| <ul style="list-style-type: none"> ▪ All metals and structures, exposed or under cover ▪ Wire ropes and steel cables ▪ Cable-stay bridge structures | <ul style="list-style-type: none"> ▪ Undercarriage coating ▪ No-touch areas on handrail systems, wrought iron fencing ▪ Protect piping and gas lines | <ul style="list-style-type: none"> ▪ Inside door panels and hidden areas ▪ Electrical wiring, cables, wiring, cabinets, and closet |
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Before



HinderRUST HV500 was applied to metal plate and allowed to set for 6 weeks.

After



The plate was then placed in a salt fog chamber for 500 hours.



Health and Safety

HinderRUST HV500 – Black is a very safe, solvent-free product. The non-aerosol versions are not classified as hazardous according to OSHA 29 CFR 1910.1200 and WHMIS. Not hazardous under the consumer product safety regulations. See the Safety Data Sheet for additional information.

Storage, Shipping and Handling

Always keep the unused product in the original container, tightly closed. The liquid versions are DOT-classified as non-hazardous and can be shipped by air with no shipping restrictions. See the Safety Data Sheet for additional information.

Specifications and Approvals

Test	Rating
Physical State	Liquid
Color	Black
Odor	Slight - negligible
California Air Resources Board (CARB) Compliant	Yes
VOC ASTM D2369 EPA test 24	Liquid: 1%
LVP-VOC of Mixture	Liquid: 0.06% Aerosol Package: 22%
Flammable OSHA CFR 29 910.106	No
Flashpoint ASTM D92	Unknown flash and fire point

Test	Rating
Ecotoxicity	Not harmful
Biodegradation	Inherently biodegradable
Soluble in Water	No
ASTM G154-16 UV & Humidity Accelerated Test	Pass.
Salt Fog Test ASTM B117	Direct Dripping Exposure: +500 hours Undercover +100,000 hours to indefinitely
Specific Gravity @ 150°C (60°F)	1.037 g/cc (0.037 lb/in ³)
Dielectric Breakdown Voltage ASTM D877-A	Liquid: 19.31 kV
Vapor Pressure	<0.1 mmHg at +20°C (0.002 psi @ +68°F)



How to Apply

Surface Preparation: Remove any loose, loose rust scale, or paint blisters and coat the surface with a thin even layer.

Application Methods: Shake before using. Apply one coat to wet or dry metals with an airless sprayer, brush, or roller. Spray equipment: Graco Magnum x7 or equivalent airless paint sprayer. Typical coverage is 9.816 to 14.725 sq m/L (400 to 600 sq ft/gal). An annual maintenance program for reapplication is recommended if constant repeated exposure to water sprays greater than rainfall is to occur.

Curing time: None. Equipment may be used immediately after coating. HinderRUST HV500 goes on as a mobile liquid that creeps and wets to the surface and into seams. Will slowly polymerize into waxy film (6 weeks), locking in protection.

Special Application Note(s): When protecting wire ropes and cables, HV500 can be used in with HinderRUST S4.0. First apply HinderRUST S4.0 to the wire rope or cable, soaking and protecting wires to the core, then overcoat with HinderRUST HV500.

Packaging

Part No.	Size	Container	Case Quantity
9644368	333 g (Net Wt 11.7 oz)	Aerosol Spray Can	12
9643361	946 mL (32 fl oz / 1 qt)	Metal Can	4
9643363	3.78 L (128 fl oz)	Metal Can (gallon size)	4
9643365	18.9 L (640 fl oz / 5 gal)	Metal/Plastic Can	1

