



Technical Data

Product Number

TR2200HS HRCSA

Product Name

TERMARUST PENETRANT/SEALER

Product Description

Termarust TR2200HS HRCSA Penetrant Sealer is 100% solids, zero VOC, high performance environmentally friendly proprietary penetrant sealer formulated specifically to remain active and is a type of co-polymerize reacted synthetic resin with a unique patented crystalline modification that cures by air oxidation. High Ratio Co-Polymerized Calcium Sulfonate (HRCSA) coatings are formed by reacting a specific acid, using a proprietary process and a base made of a specific synthetic (grown artificially as opposed to natural crystalline base material) with polymers, to form an active chemistry for the control of corrosion, crevice corrosion and pack rust. Its unique properties allow it to neutralize acid, displace moisture, scavenge oxygen, thoroughly wet surfaces and stop crevice corrosion, pack rusting, and corrosion frozen bearings on steel structures. The unique chemistry addresses the physical and chemical components of the crevice corrosion and pack rust by neutralizing acid, displacing moisture, and scavenging oxygen.

Stand Alone Usage without TR2100 HRCSA Self Priming Topcoat

For application to pack rusted joints, crevices, back-to-back angles, corrosion frozen bearings or tubing on steel structures such as bridges, towers, cranes, conveyor systems, cable suspension systems and vehicle frames where gaps exist, coating is impossible.

Note: When the TR2200HS HRCSA Penetrant/Sealer and TR2100 HRCSA Self Priming Topcoat is used together as a treatment for crevice corrosion and pack rusted joints and connections or corrosion frozen bearings using the TR2200HS HRCSA Penetrant/Sealer is applied under pressure to refusal to the properly prepared joints, connections or corrosion frozen bearings under pressure too refusal. After TR2200HS HRCSA Penetrant Sealer application brush out the excess material and then apply wet on wet a caulk coat or stripe coat of TR2100 HRCSA Self Priming Topcoat is applied into the TR2200HS treated joints, connections or corrosion frozen bearings. This is a wet-on-wet process that must be done this way to optimize the effectiveness of the HRCSA system and to qualify for a warranty.

Advantages

Soaks into the crevice corroded or pack rusted joints or connection and into corrosion frozen bearings by polar attraction and chemically stops the corrosion by neutralizing the acid, displacing the moisture, and scavenging out the oxygen.

Gloss

Low Gloss

Viscosity

30-40 seconds #4 Ford Cup

Solids by Weight

100%

Solids by Volume

100%

Relative Density

1000

Dry Time

When used as a penetrant only, allow 24 hours for maximum penetration. Termarust TR2200HS High Ratio Co- Polymerized Calcium Sulfonate Penetrant/Sealer may be top coated wet on wet when an extra 10 mils DFT of Termarust TR2100 HRCSA High Ratio Co- Polymerized Calcium Sulfonate Primer/Topcoat is applied to the pack rusted joints, crevices, corrosion frozen bearings or back-to-back angles during the cutting in process.

Shelf Life

12 months in original unopened container when stored in a protected area where the temperature is between 5°C and 30°C (41°F-86°F). After 12 months material should be mixed and inspected before use.

Surface Preparation

Spot repairs of failed joints

Remove excessive dirt and contaminants. Open joints with a sharp object, blow dry to allow the Termarust TR2200HS HRCSA High Ratio Co- Polymerized Calcium Sulfonate Penetrant/Sealer to penetrate thoroughly.

SSPC WJ4 High Pressure Water Cleaning (HPWC) joints:

Crevice Corroded Joints should be blown dry with clean, dry 100 PSI high-pressure air to ensure water has been removed. When TR2200HS is used without the Termarust TR2100 HRCSA Self Priming Topcoat, apply under pressure to refusal two applications of Termarust TR2200HS HRCSA Penetrant/Sealer are recommended for maximum performance. **Only if the TR2200HS HRCSA Penetrant/Sealer is used alone without the TR2100 HRCSA Self Priming Topcoat allows at least 12 hours between penetrant/sealer applications.**

Application

Thoroughly wet out all joints, crevices, cables, corrosion frozen bearings, back-to-back angles, tube interiors and areas to be protected with Termarust TR2200HS HRCSA Penetrant/Sealer by pressure spray to refusal. Excessive Termarust TR2200HS HRCSA Penetrant/Sealer allowed to remain on flat surfaces will inhibit the dry of the Termarust TR2100 HRCSA Primer/Topcoat and should be brushed out. **Note:** When the HRCSA system is used as a treatment for crevice corrosion and pack rusted joints and connections or corrosion frozen bearings using the TR2200HS HRCSA Penetrant/Sealer. The TR2200HS HRCSA Penetrant/Sealer is applied under pressure to refusal to the properly prepared joints, connections or corrosion frozen bearings too refusal. After TR2200HS HRCSA Penetrant/Sealer application brush out the excess material and then apply wet on wet, a caulk coat or stripe coat of TR2100 HRCSA Self Priming Topcoat into the TR2200HS treated joints, connections or corrosion frozen bearings. This is a **wet-on-wet process** that must be done this way to optimize the effectiveness of the HRCSA system and to qualify for a warranty.

Application Equipment

Air less Spray, Conventional Spray Gun, Pressure Rust Proofing Gun, Hudson Chemical Sprayer, Small Pump Sprayer, Brush if spray not available

Compatible Systems

Termarust TR2100 HRCSA (High Ratio Co- Polymerized Calcium Sulfonate) Self Priming Topcoat (Remove excess Termarust TR2200HS HRCSA (High Ratio Co- Polymerized Calcium Sulfonate) Penetrant/Sealer before applying the TR2100 HRCSA Self Priming Topcoat)

Thinning

Spray: No thinning required

Clean Up

Termarust Thinner TRT01

WEIGHT PER US GALLON

8.60lbs ± .25

Safety Precautions & Regulatory Data

Flashpoint 120°C (248°F). Keep away from heat, open flame, and sparks. Avoid contact with skin and eyes. Avoid prolonged breathing of vapor. Read label instructions carefully and refer to Safety Data Sheet supplied. This product is for industrial use only and is not intended for use in or around a household or dwelling.

Notes

The technical data given herein has been compiled for your help and guidance and is based upon our experience and knowledge. It is subject to modification from time to time in the light of experience and our policy of continuous product development. Persons using this product must first satisfy themselves as to its suitability for the intended purpose. Please contact your representative for complete recommendations. A complete Termarust TR2200HS HRCSA Penetrant/Sealer application specification is available upon request.

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