

# DRY COAT™ ST

## CORROSION MANAGEMENT SOLUTIONS



### DRY COAT™ ST

#### RP Liquid

#### FEATURES AND BENEFITS

Dry Coat™ Rust Preventative ST is a significant advancement in rust prevention technology – it's water-based formula is a safe, environmentally-friendly replacement for solvent and oil-based corrosion inhibitors.

Dry Coat ST provides up to 3 months of short-term protection of ferrous metals stored indoors. It provides both a clear, physical barrier and it emits ARMOR VCI Nanotechnology to form a second, VCI protective shield. It is also safe for use on stainless steel and will not harm most elastomers or plastics.

Dry Coat ST can be applied by dip, spray or flowcoat and unlike other sticky or tacky products, it dries-to-touch within 15-to-20 minutes in ambient conditions/low humidity.

*The proprietary ARMOR VCI Nanotechnology® comes with more than 40 years of industry experience. With service on four continents and in more than 25 countries, ARMOR is positioned to Eradicate Rust wherever and whenever you need them.*

#### APPLICATIONS

Dry Coat ST is ideal for small parts in large quantities (nuts and bolts, fasteners, hardware) or odd-shaped parts that cannot be placed into ARMOR bags or wrap. It also works well for export equipment, machinery, gears, pipes, flanges, cast iron, and ferrous metals. Dry Coat ST saves time, labor and money compared to other rust prevention methods.

Dry Coat™ Rust Preventative ST provides indoor protection for up to 3 months and is not recommended for outdoor use unless used in combination with other ARMOR VCI products that contain VCI and UV inhibitors.



#### WHY ARMOR?

Armor Protective Packaging® offers rust prevention and rust removal products that are clean, safe, easy, and that protect metals while in-process, in transport, or in storage. ARMOR combines its VCI (vapor corrosion inhibitor) Nanotechnology® with packaging materials such as paper and poly film to create products that displace moisture on metal and guard against rust. ARMOR also offers desiccants, emitters, foam pads and its Metal Rescue® Rust Remover BATH and GEL. For more than 40 years, ARMOR has worked with customers from around the globe to provide rust prevention and rust removal solutions and to Take the Work Out of Your Workday!



# TECHNICAL DATA

## ARMOR PROTECTIVE PACKAGING CORROSION MANAGEMENT SOLUTIONS

### DRY COAT™ RUST PREVENTATIVE **ST**

#### Parameter

Ferrous  
pH (10%)  
Odor  
Weight  
VOC content  
Duration of protection

#### Dry Coat™ Rust Preventative **ST**

Clear Amber  
8.1  
Bland  
8.4 lb/gal  
< 1%  
Up to 3 months protection, indoors.

#### Spray Application

Spray Dry Coat ST onto parts and wet the entire surface, then let air dry. Drying can be accelerated with warm air or fans. If applied too liberally, the excess just rolls off the part leaving the correct amount on the metal surface. There is no need to atomize during application; in fact, it is preferred to use the coarse setting on spray equipment or sprayers.

#### Flowcoat/Dip Application

Dry Coat ST can be applied via flowcoat and used as a dip process. Just wet the entire surface with the solution. Drag-out can be minimized by allowing parts to drip back into the dip tank or a catch bin. It is OK to re-use the drippings, until the fluid becomes contaminated with oils, dirt, etc.

#### Storage

Keep containers tightly closed to avoid evaporation of water. Material should be kept in original packaging or equivalent during storage. Ensure containers are labeled. Avoid eye and skin contact. Do not take internally.

#### Shelf Life

When stored indoors, unopened and in original packaging, Dry Coat ST has a shelf life of up to two years. After original packaging has been opened, the shelf life is one year as long as it is in original packaging or equivalent. Proper storage temperatures are between 40 F and 140 F.

**CAUTION:** After handling product, wash hands thoroughly before eating.

# DRY COAT™ RUST PREVENTATIVE **ST**

## Compatibility of ARMOR DRY COAT **ST** with Metals

Metal to be Protected	DRY COAT™ ST
Aluminum	-
Aluminum Bronze	-
Aluminum Magnesium alloy	-
Brass	-
Bronze	-
Cadmium	-
Cast Iron	★ ★ ★
Chromium	-
Constantan	-
Copper	-
Galvanized	-
Lead	-
Molybdenum	-
Nickel	-
Nickel Silver (CU, Ni, Zn)	-
Silver	-
Solder (Pb, Sn)	-
Stainless Steel	-
Steel	★ ★ ★
Tin (Pure)	-
Tinned Steel	-
Zinc	-

### Compatibility Key

★ ★ ★ Complete Protection

- Dry Coat ST is not designed to protect this metal type, although it should be compatible.

For multiple metal applications, testing is recommended to ensure compatibility.

All products manufactured Armor Protective Packaging® are warranted to be first class products and free from defects in material and workmanship. Liability under this warranty is limited to the net purchase price of any of such products proven defective or at our option to the repair or replacement of said products upon their return to us transportation prepaid. All claims on defective products must be made in writing 30 days after the receipt of such products in your plant and prior to further processing or combining with other materials and products. We make no warranty, express or implied, as to the suitability of any of our product for any particular use, and we shall not be subject to liability from any damages resulting from their use in operations not under our direct control. This warranty is exclusive of all other warranties, express or implied, and no representative of ours or any other person is authorized to assume for us any other liability in connection with the sale of our products.

Revised 05/21/20