



Technical Data Sheet

Dry Coat™ RP

Water -based rust preventative liquid

PRODUCT DESCRIPTION

Dry Coat™ is a liquid rust preventative for ferrous metals that is part of ARMOR's SHIELD® Product line. This water-based product is a significant advancement in corrosion prevention technology that replaces solvent and oil-based corrosion inhibitors. Once applied, the clear protective coating will dry-to-touch within 30 minutes at ambient conditions. It does not attract dirt or dust on metal parts such as other sticky or tacky products. It is non-hazardous and easily washes off using mild detergents or common metal cleaning solutions.

Dry Coat™ can be applied to ferrous metals by dip, spray or flowcoat and is designed for protection of up to 2-years (indoor protection). Dry Coat™ is not recommended for outdoor use unless combined with other ARMOR vapor corrosion inhibitor packaging products (please consult Armor Protective Packaging technical personnel for specific information). Dry Coat™ is safe to use on ferrous metals, stainless steel and will not harm most elastomers or plastics. It is always recommended that a small sample area be tested prior to wide scale use.

<u>PARAMETER</u>	<u>Dry Coat™ Rust Preventative</u>
Appearance	Clear Amber
pH (10%)	8.1
Odor	Bland
Weight	8.4 lb/gal
VOC Content	0 lb/gal
Duration of protection	Up to 2-year indoor protection
Non-hazardous, Non-toxic	





Dry Coat™ Water-based rust preventative liquid

PRODUCT APPLICATION

Dry Coat™ is incredibly easy to use. It is a water based product that contains rust inhibitors and a surfactant package. Dry Coat™ acts like water in viscosity, however, it contains surfactants that enable it to wet the parts more effectively and adhere to the metal surface with the appropriate film thickness. As the water dries off the parts, the corrosion inhibiting chemicals stay on the surface. It sets up a hydrophobic layer that provides a barrier to water and other corrosion causing substances. Dry Coat™ dries to a tack free finish that is clear and barely noticeable on the metal surface. The final film is not tacky and will not attract dirt and other contaminants.

Spray:

Just spray Dry Coat™ 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.

Flow coat and Immersion:

Dry Coat™ can also be flow coated 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 / SHELF LIFE

Storage and handling: 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 in original packaging, Dry Coat™ will have 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.

All products manufactured by 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.