



Technical Bulletin

#110

Dry Coat™ RP Removal

Dry Coat™ RP

Dry Coat™ is a water-based rust inhibitor with a surfactant package that enables it to effectively wet the substrate and adhere to the metal surface with the appropriate film thickness. Dry Coat™ can be applied to ferrous metals by dip, spray or flowcoat. Parts should be allowed to drain completely to allow excess Dry Coat™ to flow off of the part leaving the correct amount on the metal surface.

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. In many cases the Dry Coat™ finish does not require removal before the part or substrate is placed in service. Under most conditions Dry Coat™ does not interfere with further processing. Common metal forming operations such as stamping, grinding, cutting, welding, or burnishing can often be performed without removal of the Dry Coat™ finish.

Dry Coat™ Removal

There are some instances where it is preferable to remove the Dry Coat™ finish prior to further processing or use. For these applications Dry Coat™ is specifically designed for easy removal. The Dry Coat™ finish is water soluble and can be removed by rinsing with water or water and a mild detergent. Dry Coat™ is also easily removed with common metal cleaners and pretreatment wash cycles.

Recommended Removal Applications

For subsequent coating applications such as painting or application of conversion coatings the Dry Coat™ finish should be removed. Most coating applications typically involve a pretreatment or cleaning step. Dry Coat™ will be easily removed with standard industrial pretreatments and cleaners. Dry Coat™ does not contain silicone or other surface active compounds that would interfere with coating operations.

For direct use in critical, internally lubricated systems such as gearboxes and transmissions ARMOR recommends removing the Dry Coat™ finish. It is always prudent to reduce the introduction of other materials to these types of mechanical systems. However, trace amounts of Dry Coat™ will not cause harm in these systems; the type of components in Dry Coat™ are also commonly used in many industrial oils and greases.

Please note caution should be exercised in the application of Dry Coat™ to assure excess amounts have not been allowed to accumulate on surface areas. If a significant amount of excess Dry Coat™ has dried on the substrate, removal is suggested before subsequent metal forming or coating operations.

Applications may include many variations of substrate and processing. ARMOR Protective Packaging® recommends testing product and process compatibility with Dry Coat™ prior to implementation. The sales and technical service staff at ARMOR Protective Packaging® are happy to assist you with questions and recommended testing.

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