

WOHL COATINGS RC100 (Rust Converting Primer)

Used for conversion of tightly adhered iron rust to passivate the rust and provide a surface ready to receive a penetration resistant coating. Ie. BB105, DD59, BB99, FA1150. See www.wohlcoatings.com for details on each type of coating.

Corrosion is a complicated electrochemical process whereby a metal is converted to an oxide when exposed to a moist environment. Some metals, particularly bronze and brass, can form a stable protective corrosion layer, or patina, when they corrode. Iron, however, is highly susceptible to corrosion. Iron corrosion--that is, rust--is composed mostly of iron oxides. Unfortunately, iron oxides are unstable and provide no protection to the iron or steel below. Rusting iron will continue corroding if left unchecked (even if topcoated). RC100 is a primer designed to be applied directly to a rusty surface. Unlike the standard scrape, prime, and paint regime, the user does not have to bring the surface down to bare metal. In fact, RC100 will convert any rust (iron soluble particles) to iron tanante. RC100 contains two primary components. A tannin and an organic polymer. The organic polymer provides a protective primer.

Surface Preparation: Surfaces should be wire brushed to remove loose rust and it is preferable to remove soluble salts by washing with water as they inhibit the conversion process. Surfaces should also be free of oil and grease

. **Application:** RC100 can be application by spray or brush. A dry film thickness of 1 mil to 2 mils per coat is considered optimum. It can be applied over damp surfaces and dries quickly under suitable temperature and humidity conditions. Immediately after use equipment should be washed in water to remove all traces of RC100. Usage approx. 500 sq. ft per gallon.

Drying Conditions: Temperature, humidity, air movement and film thickness all affect the time to reach the touch dry stage. Under ideal conditions a 2 mil wet film will be touch dry in approximately 10 minutes at 70F, at 50F time can be as long as 2 hours. Should not be applied at temperatures below 49F, or when there is risk of condensation or rain during this drying period. If 2nd coat of RC100 is required apply within 2 to 4 hours of the first coat. VOC 1.0 LBS/GALLON.

Overcoating: RC100 may be coated when cured with any conventional paint using brush, roller or spray. Allow 24 hours dry before over-coating.

Health and Safety: RC100 is non-flammable and can be regarded as essentially non-hazardous under normal use. Gloves and eye shields should be worn when using RC100 as it will stain the skin. Stains can be removed by first washing with diluted bleach then plenty of soap and water. RC100 should NOT be swallowed. If swallowed wash out mouth with plenty of water and then drink plenty of milk or water. **SEEK MEDICAL ATTENTION IMMEDIATELY.** RC100 may cause slight eye irritation and should it come into contact with eyes, washing with water is recommended. **SHOULD IRRITATION PERSIST SEE DOCTOR. KEEP OUT OF THE REACH OF CHILDREN. REVIEW MSDS PRIOR TO USE!**

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