

Technical Data Sheet

Defender Coil Coating: Part# RT640A

Description: Defender Coil Coating is a solvent borne thin film epoxy resin that will bond to all metals. The product will air dry under normal conditions to complete hardness in less than 30 minutes. A one time application is all that is necessary to protect coils fins and other metals from corrosive environments. Defender is supplied as a Clear Coating to comply with current Federal and State EPA/VOC requirements.

Surface Preparation: Coil must be clean and dry. We recommend cleaning with our Viper HD diluted 5:1 for heavily soiled metals. For extremely oxidized or pitted metals we recommend our Viper Brite alkaline based coil cleaner.

Application: A single coat to the front and back of the coil is all that is necessary. Start at the top corner of the coil and work horizontally.

Spray Pattern: The aerosol actuator provides a flat vertical spray pattern for reaching deep between coil fins.

Heat Transfer: Heat transfer loss is less than 0.15%. Apply as a single coat, 0.5 to 1.5 mil thickness as directed.

Regulatory Information: VOC content is less than 60% as per California Air Resources Test Method 310. MIR Value is less than 1.50. This product has been approved for sale and use as a Clear Coating in the State of California and other jurisdictions.

Test Data: All accelerated life testing was performed in house. Metal coupons were coated with Defender then immersed in different solutions for a period of 6 months at 140F. Coupons were visually inspected for corrosion, pitting or changes in surface condition or coating coloration.

| Solution | Aluminum | Copper | 302 Stainless | Carbon Steel | Iron |
|---------------|-------------|-------------|---------------|---------------|---------------|
| NaCl 10% | No Change | No Change | No Change | No Change | No Change |
| HCl 5% | No Change | No Change | No Change | No Change | No Change |
| NaOH 5% | No Change | No Change | No Change | No Change | No Change |
| Mineral Oil | Yellow Tint | Yellow Tint | Yellow Tint | Slight Yellow | Yellow Tint |
| Vegetable Oil | Yellow Tint | Yellow Tint | Yellow Tint | Yellow | Slight Yellow |
| D.I. Water | No Change | No Change | No Change | No Change | No Change |

Addendum: No corrosion or oxidation of the base metal was observed. No softening or blistering of the coating occurred.

Safety Information: DANGER Flammable. Vapors may cause flash fires. Keep away from heat, sparks or open flame. Contents Under Pressure. Store below 120F. Do not puncture, incinerate or burn. Vapor Harmful. Avoid breathing vapors. Use only in well ventilated areas or use respiratory protection. Please refer to product label and MSDS for further precautions.

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