

## **EFS-3500 RUST AND PAINT REMOVER**

### **TECHNICAL DATA SHEET**

1. **Product Description & Use:** **EFS-3500 RPR** is a revolutionary Rust and Paint Remover that is safe for the user, substrate and the environment. It is classified as non-hazardous, contains no Methylene chloride, salts, caustic or toxic chemicals and is biodegradable. This is a water-based solution, which is extremely effective. The **EFS-3500 RPR** is exceptional for all rust and paint removal. The **EFS-3500 RPR Gel / Dip** is great for applying quickly over a large amount of surface area along with tough places to reach with its spray on application capability. **EFS-3500 RPR** is formulated to act anywhere from 1 hour - overnight to work depending on condition of the substrate. The **EFS-3500 RPR** is formulated to remain wet and effective for an extensive period of time. Dwell time will vary depending on the type of coating, severity, number of layers, and temperature. For best result allow to dwell overnight or longer. Remove softened/lifted paint or rust using a power washer, scraper or brush. The stripped surface is then rinsed with water and or soapy water.

2. **Features & Benefits:**

- **Safe:** Formulated with no toxic chemicals including Methylene Chloride, caustics, NMP and will not burn the skin.
- **Effective:** Fast acting while not damaging soft metals after long periods of dwelling.
- **Environmentally Friendly:** Water based, biodegradable, no TAP's, no HAPs.
- **Simple:** Easy to apply and easy to remove.

3. **Limitations:** For the best results, surface temperature should be 15°C (60°F) - 35°C (95°F). Product can be applied as low as 3°C (37°F), however, efficiency and effectiveness are reduced, and dwell times are increased.

4. **Testing:** Always prepare a test area on each type of surface and coating prior to full application. Testing prior to starting your project is the best way to ensure product suitability. This will also determine how thick of layer you should apply and the dwell time for completion.

**Preparation:** Cover/protect areas where you do not want the **EFS-3500 RPR** to get in contact with. Polyethylene (plastic sheets) and masking tape can create an effective barrier. Plants or any type of vegetation should be covered as well.

5. **Application & Spread Rate:** Make sure surface is dry, then using a brush, roller or airless spray, apply approximately 1/16" to 1/8" thick (refer to testing results) according to the age, number of layers, and type of coating being removed. Airless spray is the most cost-effective way to apply product. Always start at the lowest pressure setting and slowly build pressure until an adequate fan pattern has been achieved. **EFS-3500 RPR** can be applied using a heavy-duty airless paint sprayer with ability to support a .021 spray tip. Be sure to remove both the gun and manifold filter from the unit before attempting to spray as they may clog during application. Depending on the thickness of your testing area more than one coat may be needed. If so, apply a light coat first then allow it to dwell between 30 and 45 minutes. Then apply a second coat to build the film to the desired thickness, most circumstances this will not be necessary. **EFS-3500 RPR** provides an average spray rate of 80-100 sq. ft. per gallon; results may vary depending on severity of situation.

**Removal:** Remove paint and rust using a power washer, scraper, tapping knife, and or brush. If any touch to remove residue as a stiff nylon brush or scouring pad. Pay particularly close attention to crevices, grooves and cracks. The surface should be rinsed thoroughly with a power washer once finished. Interior surfaces can be rinsed using a spray bottle or pail, a sponge and water.

**Clean Up:** Collect remover and paint residue in plastic bags and dispose of in compliance with local government regulations. Do not collect or store removed paint or rust waste in metal containers. Clean up airless sprayer by running water or soapy water through the equipment soon after application has been completed. Allow surface to dry thoroughly before repainting and or applying any other coating.

6. **Availability & Cost:** EFS-3500 RPR is available at **Molecular Tech Coating Inc.**

7. **Maintenance:** No other service is required after project is finished, however, for servicing brick, stone, and or concrete and wants to prolong conservation we recommend you apply our **Rust Preventor** that works to prevent future rusting while protecting it from water and weather conditions.

8. **Health & Safety Requirements:** Not for internal consumption. While **EF3-3500 RPR** is formulated to be safe for the user, surface and environment, proper safety procedures should be followed at all times. Refer to the Safety Data Sheet (SDS) for important health and safety information and protocol.

*Note: In case of contact with skin or eyes, wash well with water. If irritation continues seek medical attention. Keep out of reach of children.*

9. **Warranty:** **Molecular Tech Coating Inc.** warrants all of its products to be free from defects and makes no other warranties with respect to its products, express or implied, including without limitation of the implied warranties of MERCHANTABILITY OF FITNESS FOR PARTICULAR PURPOSE. **Molecular Tech Coating Inc.** liability shall be limited in all events to supplying sufficient products to re-treat the specific areas to which defective product have

been applied. **Molecular Tech Coating Inc.** shall have no other liability, including liability for incidental, consequential or resultant damages whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of **Molecular Tech Coating Inc.** or its distributors, and dealers.

10. **Technical Services:** **Molecular Tech Coating Inc.**'s highly experienced staff is available to answer technical questions and provide product-specific information required by architects, specifiers, contractors and property owners. Expert on-site assistance is available at no additional cost. Call 1-604-616-2661.

#### 11. **Technical Data**

Color	Clear
Gloss	None
Vapor pressure	20 mm Hg@20°C (As Water)
Dry Film thickness	½-1.5 inch
Volume Solid	14%
Coverage @ 20mil	80 Sq. feet/gallon (Gel)
Density	1.2-1.4 kg/l
PH	1-3
Flash Point	95°C
Sag	20mil plus
Viscosity VOC	90-110 KU @ 25°C/16 sec Z#: Dipping system 100 g/L