

## RG-2400<sup>®</sup> ET DATA & INSTALLATION



**RG-2400 ET** is a surface conversion compound utilizing mineralization technology, or the "science of Minetics"; this compound replaces the corrosion process with a mineral formation on and into the metal creating a mineral barrier 50-200 angstroms deep into the metal surface and as time passes, the mineral layer on top of the metal increases in thickness.

**RG-2400** products are a breakthrough for corrosion control and prevention on piping systems, tanks and vessels **under** insulation. **RG-2400 ET** is an **ELEVATED TEMPERATURE non-drying** gel compound glove for pipes, fittings, valves, tanks and vessels. **This version of RG is designed to be used on hot surfaces with service temperatures up to 350° F.** Most frequently used on dual temperature cyclical lines.

**RG-2400<sup>®</sup> ET** helps prevent corrosion from occurring, and it also helps stop existing corrosion from advancing. It requires minimal (wire brush off the scale) preparation.

Installation thicknesses of 25-30 MILS allow the unique formulation to heal any subsequent breach (mechanical damage) of the mineral barrier, and the **RG-2400 ET** formula is **so unique**, that even if the vapor barrier is breached allowing moisture into the system, the **RG-2400 ET** will buffer the moisture to an elevated pH.

The opacity and color of the product (blue) allows for easy site inspection of an installation. When it's BLUE, you're through!

### Technical Information

<b>USES:</b>	Piping systems, valves, tanks, and vessels.
<b>TEMPERATURE:</b>	Up to 350°F sustained.
<b>APPEARANCE:</b>	Creamy, tacky, gel feel.
<b>PROPERTIES:</b>	V.O.C. – EPA Method; NONE. Specific Gravity – Gravimetric; 0.95-1.05
<b>CORROSION PROTECTION:</b>	ASTM B117-18 Salt Fog Exposure – Rating 10-G per ASTM D610 after 1,000 hours exposure
<b>SURFACE PREP:</b>	Rusted surfaces require removal of loose scale.
<b>APPLICATION:</b>	Spray, glove, brush applied to tanks, vessels, and appurtenances.
<b>COVERAGE:</b>	Spray grade bore coat coverage is approximately 64-80 Sq Ft per gallon.
<b>SAFETY:</b>	Read SDS prior to use.
<b>SHELF LIFE:</b>	In container; greater than two years, Air exposed on insulation; greater than one year.

**RG-2400® ET is designed to be installed on hot or cold surfaces.  
It is difficult to spread on cold surfaces due to it's thicker viscosity.**

#### **Rusted Metal Surface Preparation**

- Water jet or wire brush, then cleaning the surface to remove all loose scale, grease and dirt, if it exists on the surface
- Application is not adversely effected by *slightly* damp surface conditions
- Apply to surface, assuring coverage on pipes, crevice areas, threaded parts, or other components

#### **New Metal Surface Preparation**

- Installation on metal surface without a coating on it is best - even a mill varnish is undesirable
- Unvarnished pipe may have a blush of red rust; don't worry about it! If there is pitting or scale, wire brush them off.
- Brush or glove apply to surface, assuring coverage on pipes, crevice areas, threaded parts, or other components

#### **Wet Surfaces**

- All surfaces must be wiped to be as dry as possible prior to application of **RG-2400 ET**
- Water displacement characteristics allow for application of product to damp surfaces, but not easily! A dry surface is best
- DO NOT apply to surface where rainy conditions are present
- Damp *rusted* surfaces should be cleaned with water soluble solvent (alcohol or glycol) before application
- DO NOT apply to wet and soaked rusted surfaces

#### **Cold and Dry Surfaces**

- Material can be applied to dry non-rusted surfaces as low as -30°, heavy duty gloves are required due to viscosity
- Surface must be clean and free of oils or frost

#### **Hot Surfaces**

- Check with your safety department before installing on any hot surface above OSHA personnel protection standards

#### **Insulation Compatibility**

- **RG** gel products are compatible with most insulation types. Elastomeric Foam insulations are not recommended unless they are in a half shell configuration (not a single split seam). Calcium Silicate or Perlite is not acceptable if the gel is not protected by a non-wicking membrane suitable for the temperatures it would be exposed to. **Polyguard** has tested specific brands of insulations for wicking properties. Call **Polyguard** if you have any questions concerning the insulation you are specifying, if we have not tested your selected brand, we welcome you to submit it for testing.

#### **Clean-up and Disposal**

- Recommended clean-up is with commercially available citrus cleaner followed by soap and water.
- Review the SDS and check with you local, state, and federal officials for proper disposal.

#### **Spraying RG-2400 ET**

- Documentation for spraying **RG-2400 ET** are on file with **Polyguard**, call us for your specific needs.

**RG-2400 ET is not designed to be used on aluminum or bronze substrates.**

**RG-2400 ET is not formulated to stop MIC corrosion.**