

RG-2400[®] 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[®] 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

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