

RG-2400[®] LT DATA & INSTALLATION



RG-2400 LT 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.

RG-2400 LT is a breakthrough for corrosion control and prevention on piping systems, tanks and vessels under insulation. It is a non-drying compound easily brush/spray applied to pipes, fittings, valves, tanks and vessels. It's non-skinning and non-sag properties make it a permanent solution.



RG-2400[®] LT helps prevent corrosion from occurring, and it also helps stop existing corrosion from advancing. It requires minimal surface preparation (wire brush off the scale). In addition, **RG-2400 LT** can help prevent stainless steel and copper stress crack corrosion under insulation.

Installation thicknesses of 25-30 MILS allow the unique formulation to heal any subsequent breach (mechanical damage) of the mineral barrier. The **RG-2400 LT** formula is so unique, that even if the vapor barrier is breached allowing moisture into the system, the **RG-2400 LT** 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 250°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:	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.
OSHA/HCS STATUS:	Not considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200).

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.
- Apply to surface, assuring coverage on pipes, crevice areas, threaded parts, or other components.

Wet Surfaces

- All surfaces should be wiped to be as dry as possible prior to application of **RG-2400**.
- 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 where water is present – even if the surface has been cleaned, use of an omni directional fabric is required on wet surfaces.

Cold and Dry Surfaces

- Material can be applied to dry non-rusted surfaces as low as -30°.
- Surface must be clean and free of oils or frost.

Cold and Wet Surfaces

- Damp surfaces must be above freezing (32° F).
- Cannot be applied on wet condensing surfaces, some method to dry the pipe must be used (towel, alcohol, glycol).
- It is possible to apply material to the bore of the insulation (very thickly), dry that 3' section of pipe and install the insulation on the pipe IMMEDIATELY. Call Polyguard before attempting this.

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 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 LT

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

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

RG-2400 LT is not formulated to stop MIC corrosion.