

RG-2400[®] NP Data & Installation



RG-2400 NP is an anti-corrosion gel utilizing Polyguard's mineralization technology, (the "science of Minetics"); this gel replaces the corrosion process with a mineral formation on and into the metal surface creating a mineral barrier 50-200 angstroms thick. A pH in the alkaline range passivates water vapor, and the hydrophobic nature of the gel repels water.

2400[®] NP is designed for the insulation industry, under insulation for **NEW piping systems**, tanks and vessels. It is a non-drying compound easily brush/spray applied to pipes, fittings, valves, tanks and vessels. Its' non-skinning and non-sag properties make it a permanent solution.

RG-2400[®] NP helps prevent corrosion from occurring on new piping systems; it requires no surface preparation other than making sure there are no oils, dirt or rust present on the piping. In addition, **RG-2400[®] NP** can help prevent stainless steel and copper stress crack corrosion under insulation.

The opacity and color of the product (purple) allows for easy site inspection of an installation. When you cannot see the pipe through the purple gel, you should have sufficient coverage.

Technical Information

USES:	Piping systems, valves, tanks, and vessels
TEMPERATURE:	Up to 230°F sustained
APPEARANCE:	Creamy, tacky, gel feel
PROPERTIES:	V.O.C. — EPA Method; NONE Specific Gravity — Gravimetric; 0.95-1.03
CORROSION PROTECTION:	ASTM B117-18 Salt Fog Exposure – Rating 10-G per ASTM D610 after 1,000 hours exposure
SURFACE PREP:	Surface must be clean and free from rust, oil, water or contaminates; SSPC-SP2 or SSPC-SP3 depending on the condition of the new pipe.
APPLICATION:	Spray, glove, brush applied to tanks, vessels, and appurtenances.
COVERAGE:	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
OSHA/HCS STATUS:	Not considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200).

Rusted Metal Surface Preparation

- Not intended for use on rusted or corroded surfaces.

New Metal Surface Preparation

- Installation on metal surface without a mill scale varnish on it is best.
- New pipe may have a blush of red rust, wire brush any rust off the surface before applying **RG-2400® NP**.
- 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 NP**.
- 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.
- If you attempt to apply the Gel to a wet surface, it will not stick; adhesion will be spotty at best.
- Polyguard does not recommend 'bore coating' the insulation.

Cold and Dry Surfaces

- Material can be applied to dry non-rusted, unfrosted surfaces as low as -30°, note that the product will be very thick and difficult to apply!
- Surface must be clean and free of oils or frost.

Hot Surfaces

- Pipe surface temperature should not exceed 120° F, check with the plant safety team before installing on any hot surface above OSHA personnel protection standards. Do not attempt to apply on a fresh hot weld.

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 unless the gel is protected by a non-wicking membrane suitable for the temperatures it would be exposed to such as **Polyguard's ZeroPerm®** vapor barrier. **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 dishwashing liquid and water, must be cleaned up immediately to avoid any staining of non-metallic surfaces.
- Review the SDS and check with your local, state and federal officials for proper disposal.

Spraying **RG-2400 LT**

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

RG-2400 NP is not designed to be used on aluminum or bronze substrates, any metal which an elevated pH can affect should not be coated with RG-2400.

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