

RG-2400® AK DATA & INSTALLATION



RG-2400 AK 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 products are 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. **This version of RG is designed to be used on in-service hot surfaces.**

RG-2400® AK helps prevent corrosion from occurring, and it also helps stop existing corrosion from advancing, it requires minimal (wire brush off the scale) preparation. In addition, **RG-2400 AK** 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 AK** formula is **so unique**, that even if the vapor barrier is breached allowing moisture into the system, the **RG-2400 AK** 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, very tacky, gel feel
PROPERTIES:	V.O.C. – EPA Method; NONE Specific Gravity – Gravimetric; 0.90-1.05
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.



RG-2400® AK is designed to be installed on hot pipes (above 100°F) it is difficult to spread on a cold surface due to its thicker viscosity. For ambient of cold pipe application, use RG-2400 LT.

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 AK**. 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 Surfaces

RG-2400 AK is not designed to be applied on cold surfaces. Call **Polyguard** for product recommendations for applications on surfaces below 100°F.

Wet Surfaces

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 a 3' section of pipe and install the insulation on the pipe IMMEDIATELY. Call **Polyguard** before attempting this.

Hot Surfaces

Check with the plant 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.

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

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