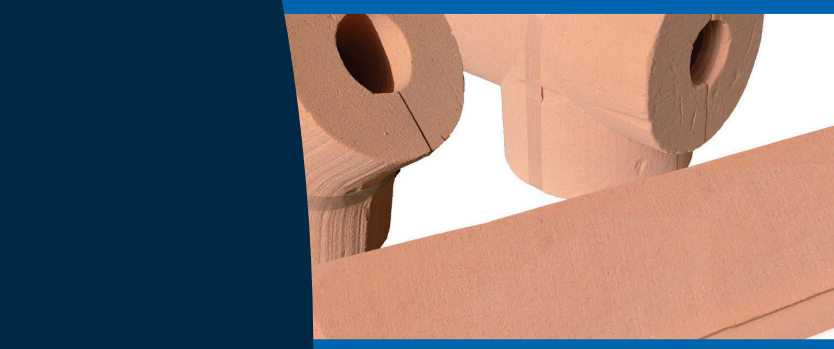
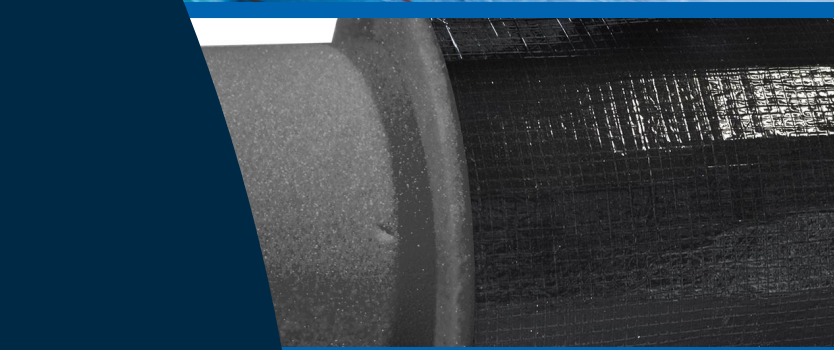




polyguard

- *Weatherproof Jacketing*
- *CUI protection*
- *Vapor Barriers*
- *Insulation*



214-515-5000

Mechanical Division

www.polyguard.com



A Proven Industry Leader...

Polyguard's Mechanical Division is an industry leader in the manufacturing and development of world-class insulation systems designed for HVAC piping and duct systems. In 1984, we introduced our "Peel 'N Stick" Insulrap Vapor barriers for piping applications and then introduced Alumaguard®, the first flexible weatherproof insulation cladding for rooftop insulated ductwork.

We now offer complete insulation systems to the industrial and commercial HVAC market including Polyguard Polyphen Phenolic Insulation for chilled water and DuPont Styrofoam extruded polystyrene insulation for below ambient industrial applications. These systems include a range of innovative flexible claddings and vapor barriers as well as our RG2400 gel coatings which are designed to prevent Corrosion Under Insulation(CUI).

In 2017, Polyguard more than doubled its manufacturing space by purchasing a new facility in Corsicana, TX.

Polyguard's unique employee ownership program allows its employee owners an opportunity to participate in a no cost retirement plan that's based on the success of the company as a whole.



Flexible Weatherproof Jacketing

In 1998, Polyguard introduced Alumaguard® flexible weatherproof cladding as the first rubberized asphalt self-adhering, self-healing membrane. Polyguard has since built on that success to add additional Alumaguard products to its line creating the Alumaguard family of products used in duct, pipe and vessel applications to maintain the integrity of thermal insulation. Since 1998, over 30 Million Square Feet of Alumaguard products have been installed.

See Alumaguard® family of products at www.polyguard.com/mechanical

The Alumaguard® family of products includes Alumaguard, the original product for maximum self-healing; Alumaguard® All-Weather, for all-purpose use and for application in colder climates; and Alumaguard® Lite for use indoors and where ASTM E84 requirements must be met.



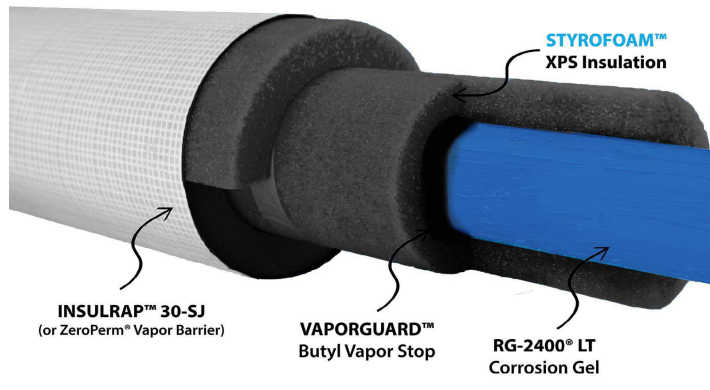
Features & Benefits

- ALL Alumaguard® products are Zero-Perm with 10 year warranty
- Easy Peel 'N Stick Installation
- Self-healing, puncture resistant
- Energy saving, UV resistant flexible cladding
- Waterproof weather and vapor barrier
- Contributes to LEED points
- Sound attenuation properties (STC 28)
- Alumaguard® Lite meets ASTM E84 25/50



Vapor Barriers

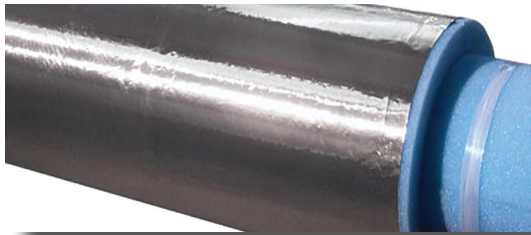
A key component of successful mechanical insulation piping systems is the vapor barrier. Polyguard offers a range of vapor barriers, all of which provide true zero perm performance. The Insulrap 30 products are self-adhering, self-healing membranes that can be field applied on below ambient piping offering proven versatility and performance. Insulrap 50 products are typically applied on direct burial piping installations and our new Insulrap JB product is butyl based and designed for cryogenic applications like LNG. Zero Perm membrane and tapes are typically shop-applied and offer cost-effective zero-perm performance in below-ambient applications



See ZEROPERM® family of products at www.polyguard.com/mechanical

Features & Benefits

- Peel and stick vapor barrier membranes
- All Products Zero Perm
- Easy to install; no special tools required
- Self-healing; puncture resistant
- Product solutions for direct burial systems
- Butyl-based systems for cryogenic applications
- Products to meet ASTM E84 25/50



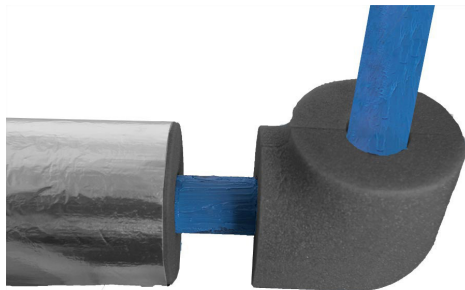
Insulation

DuPont™ Styrofoam™ XPS PIB is a closed-cell thermal plastic, void free, seamless foam insulation billet designed for mechanical fabrication design and manufacturing. Styrofoam™ XPS PIB Billets are designed specifically for ease of fabrication. The billets are seamless and cell structure is designed for both shop fabrication and field adjustment. Styrofoam pipe insulation is widely used in industrial ammonia refrigeration and other below ambient applications.

DU PONT® STYROFOAM™ XPS

Features & Benefits

- Low GWP Compliant
- Seamless Billets / No glue lines in billet
- Low friability; low permeability
- Excellent moisture resistance
- Great long term R-Value

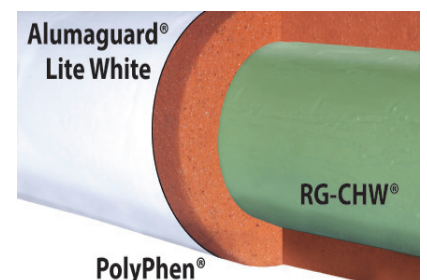
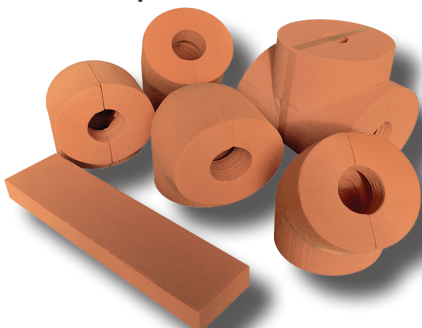


PolyPhen phenolic insulation from Polyguard is a closed-cell, high R-value, fire resistant foam insulation that offers engineers a superior choice in chilled water applications where the code requires the insulation to meet ASTM E84 flame and smoke requirements. The insulation is available in four densities allowing for its use on hanger supports. With a thermal conductivity of 0.17, Polyphen is the most efficient foam insulation allowing the engineer to specify smaller diameter pipe insulation, potentially saving cost in the vapor barrier and protective jacket and where space is a concern.

PolyPhen® Insulation

Features & Benefits

- Quality closed cell, efficient insulation
- Meets ASTM E84 flame/smoke
- Excellent for chilled water applications
- Low permeability; good moisture resistance
- Easy to cut and fabricate
- Available in 4 densities (pcf): 2.5; 3.75; 5; 7.5



RG-2400® Corrosion Control Gel

RG-2400® Corrosion Control Gel was developed to solve the problem of Corrosion Under Insulation (CUI) and is a solution for many hidden corrosion problems. RG-2400® is different from anything you've seen. To understand this unique material, perhaps the first thing to know is it is totally different. RG-2400® is applied as a gel - and instead of curing or hardening, it remains in gel form. Within a short time, chemical elements in the gel react with elements in the steel surface. This reaction forms an ultra-thin glasslike mineral surface. This surface, along with pH adjusting chemistry in the gel, is what protects the steel underneath from corrosion.



RG 2400® LT
RG 2400® NP
RG 2400® AK
RG 2400® ET
RG CHW®
RG 2401™

RG gels come in various formulations designed for specific applications with different temperature limitations and varying surface conditions. See website for details.



Features & Benefits

- RG-2400® is NOT a coating, paint, or primer
- RG-2400® is NOT a moisture barrier (i.e. grease or wax); it is a metal modifier
- Creates a mineral lattice 50-200 angstroms thick into metal surface
- Electrolyte cannot penetrate mineralized layer
- Easy clean up with RG-2400® Cleaner



For more information, about our products:

Contact Polyguard by email: mechanical@polyguard.com

Contact Polyguard by phone: 214-515-5000

Visit our website: polyguard.com/mechanical

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P.O. Box 755, Ennis, TX 75120

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