

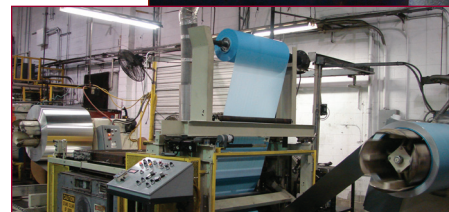
METAL JACKETING

ITW Insulation Systems offers a complete metal jacketing system to fit every need, globally supplying high quality aluminum, stainless steel and aluzinc jacketing. All of these metals are laminated with Polysurlyn moisture retarder, providing excellent mechanical and weather protection on insulated piping, tanks and equipment.

These metals are suitable for industrial conditions that currently exist in refineries, petrochemical and power plants, as well as for commercial work, such as in the pharmaceutical and building industry.

The most common gauges specified and used for rolled jacketing (smooth, stucco embossed or 3/16" corrugated) are .016", .020", .024" and .032" (0.4 mm, 0.5 mm, 0.6 mm and 0.8 mm) thicknesses.

Aluminum and Stainless Steel pressed elbows are available in 45° and 90° along with a wide range of accessories and hand tools, used mainly in the insulation industry.



Multiple Insulation Solutions, **One Manufacturer**, Global Reach.

ITW Insulation Systems provides high-performance mechanical pipe insulation, vapor retarder and metal jacketing products designed to meet specifications for a wide range of commercial and industrial pipe and equipment projects.

METAL JACKETING

Our full line of metal jacketing includes:

ROLLS:

- Aluminum (smooth or stucco embossed)
- Painted Aluminum
- Stainless Steel (T-304 and T-316)
- Galvalume®/Aluzinc

SHEETS:

- 4" X 1" Box Rib (100 X 25 mm)
- Deep Corrugated

ELBOWS:

- Aluminum Elbows
 - Ell-Jacs
 - Ell-Jacs Plus (High-Strength Alloy)(Coming Soon)
- Aluminum 2-pc T's
- Aluminum 4 pc Quads
- Stainless Steel (T-316)

ACCESSORIES:

- Fastening Devices
- Seals (Wing and Closed)
- Strapping Tools
- Stainless Steel Tie Wire
- Stainless Steel Slotted Hex Head and Slotted Pan Head Screws

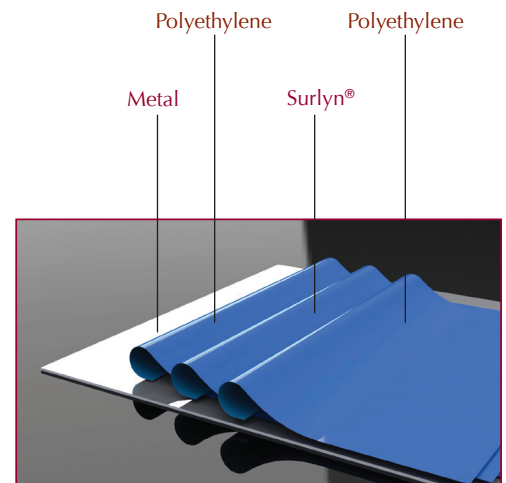
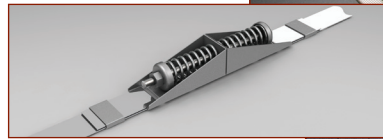
All of our aluminum and stainless steel jacketing is laminated with Polysurlyn, a co-extrusion of polyethylene and Dupont's *Surlyn®. This 3 mil thick film is heat laminated across the width of the metal jacketing and offers additional protection from galvanic and crevice corrosion.

Polysurlyn is especially suited for service in which the underside of the aluminum jacketing may come in contact with excessive amounts of moisture for extended periods of time.

ITW Insulation Systems has over 25 years of success with using polysurlyn as a moisture retarder on metal jacketing over insulation.

PHYSICAL CHARACTERISTICS OF POLYSURLYN®:

- Water Vapor Transmission Rate (WVTR) = .21grams per 100 square inches (.065 sq meters) per day.
- Auto ignition temperature of Kraft paper is approximately 450°F (233° C). Thermogravimetric analysis shows Polysurlyn does not begin to decompose until around 410°F (210° C). Polysurlyn has auto ignition about 600°F (316° C).
- Insulation systems are generally designed to keep the surface temperature of the insulation from exceeding 140°F (60° C) for personnel protection.



ITW INSULATION SYSTEMS

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