

Ell-Jacs™ Plus

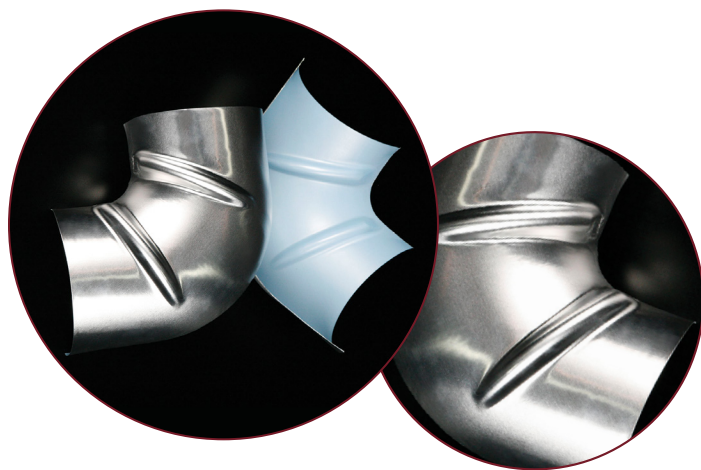
Polyfilm Lined Aluminum Elbows

What are Ell-Jacs™ Plus?

Ell-Jacs™ Plus are new two-piece aluminum elbows that incorporate Polyfilm Moisture Barrier (PFMB) that is factory heat laminated to the interior surface to reduce corrosion of the interior surface of the jacketing as well as reduce the potential for pipe corrosion.

Like ITW Aluminum Jacketing, Ell-Jacs™ Plus are a premier protective outer surface for insulation systems on pipe and are a critical component in the complete aluminum jacketing system.

Ell-Jacs™ Plus protect the insulation and underlying pipe from physical damage, UV exposure, corrosive atmospheres, and water. As a two-piece elbow, they also reduce the time and labor needed to install the metal jacketing system.



Innovative Product

Using ITW's innovation process, our team has developed an improved product that will enhance the performance of the overall insulation system.

Ell-Jacs™ Plus will benefit the facility owner and specifier, as the optimum performing PFMB is now available for the first time as a complete system without having to utilize gore sections on the elbow.



Advantages of Ell-Jacs™ Plus

- PFMB on the interior surface reduces corrosion propensity. Three-layers of film in the PFMB eliminate pinholes.
- PFMB can be used on all parts of the metal jacketing system.
- The new design of Ell-Jacs™ Plus includes increased spacing between fingers/ribs for easier banding in the middle of the elbow.
- PFMB has a very low water vapor transmission rate, further reducing corrosion potential.
- Tough and strong PFMB film resists damage during handling and installation. Painted moisture barrier is more easily scratched.

See the [ITW PFMB vs. Polykraft or Paint Data Sheet](#) for more detailed information on PFMB advantages.

Features of Ell-Jacs™ Plus

- Two-piece, factory precision formed mating halves
- 1100 series aluminum alloy, with a higher strength 0.024" (0.6 mm) thickness
- Sized to cover and weather-proof insulated 90° and 45° elbows
- Comply with applicable requirements of ASTM C1729, Type I, Grade 3, Class A
- Available to fit insulated pipe from ½" to 12" NPS

Moisture Barrier Properties Needed

To keep water from causing jacketing and pipe corrosion, the moisture barrier must be water resistant, pinhole free, tough, scratch resistant, and durable. Only PFMB offers all of these necessary properties while also being economical and widely available.

ITW INSULATION SYSTEMS

Multiple Insulation Solutions, One Manufacturer, Global Reach

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