

# Scratch Resistant Ell-Jacs™ Plus Polyfilm Lined Aluminum Elbows

NOW  
CLEAR COATED  
TO RESIST  
SCRATCHING

## We Heard, We Listened, We Delivered!

Our Ell-Jacs™ Plus aluminum two-piece elbows have just gotten better. We heard from our valued customers that the Ell-Jacs™ Plus elbows could be easily scratched. We listened and they are now **clear coated on the outside to resist scratching**. ITWIS uses a factory applied and baked on finish of highly durable hard film clear acrylic or polyester paint on the exterior surface to help resist external corrosion, avoid visible scratches, and to raise the emittance.

## What are Ell-Jacs™ Plus?

Ell-Jacs™ Plus are 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.

## 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.
- PFMB has a very low water vapor transmission rate, further reducing corrosion potential.
- Clear coated on the outside to resist scratching.
- Tough and strong PFMB film resists damage during handling and installation. Painted moisture barrier is more easily scratched.
- No gore sections needed on the pipe bends.

See the ITW PFMB vs. Polykraft or Paint Data Sheet for more detailed information on PFMB advantages.

## Features of Ell-Jacs™ Plus

- Clear coated to resist scratches and enhance aesthetics
- 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 III, Grade 3, Class A
- Available to fit insulated pipe from 1/2" 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.

