

**DESCRIPTION**

ITW Insulation Systems Canada’s Roll Jacketing is manufactured from 3000 series alloys, conforming to ASTM B-209 designation, half-hard temper (H-14) and heavier gauges quarter-hard (H-12) lock-forming quality.

**Percent of Alloying Elements – Aluminum and Normal Impurities Constitute Remainder**

| <u>Alloy</u> | <u>Manganese</u> | <u>Magnesium</u> |
|--------------|------------------|------------------|
| 3105         | .6               | .50              |

**Mechanical Properties (typical)**

| <u>Ultimate (ksi)</u> | <u>Yield (ksi)</u> | <u>Elongation (%)</u> |
|-----------------------|--------------------|-----------------------|
| 25                    | 23                 | 4                     |

| <u>Shear (ksi)</u> | <u>Mod. Of Elasticity (ksi x 10 power 3)</u> |
|--------------------|--|
| 15                 | 10.0   |

The exterior side of this product is bare aluminum (please see note on “waterstaining” under the Technical info tab on this website). The interior of the jacketing is protected by a factory heat sealed 3 mil three layer co-extruded Polysurlyn film.

ITW’s aluminum roll jacketing is available in smooth, stucco embossed or 3/16 corrugations (cross-crimped) finishes.

**RECOMMENDED USES**

Roll Jacketing is recommended for insulated piping, tanks and vessels less than 8 feet in diameter. Deep corrugated sheets are recommended for diameters greater than 8 feet.

**Thickness (Inches) & Suggested Applications**

|  |   |
|--|---|
| <b>.016” (.4mm) &amp; .020” (.5mm)</b> | The standard for industrial use. Recommended over insulation lines up to 36” O.D. including insulation  |
| <b>.024” (.6mm)</b>                    | A heavier weight jacketing used on larger diameter lines and large equipment up to 8 feet in diameter.  |
| <b>.032” (.8mm)</b>                    | Used in special applications where extra thickness and protection is required, such as fabricated tank head covers and other special fabrications.  |
| <b>.040” (1.0mm)</b>                   | Available in rolls and sheets, where extra heavy gauges are required because of severe mechanical abuse or special fabricating requirements, such as flat ducts or precipitators. Also recommended for areas subject to high wind conditions. |