



DynamicFabrication
INC.

Product Data Sheet Aluminum Jacketing



Features & Benefits

DFI Aluminum Jacketing is fabricated from aluminum alloy 3003 or 3105, as manufactured by RPR Products Inc. These products are available in smooth and embossed finishes, both of which are provided with polysurlyn® moisture barrier, and are pre-cut, then rolled into standard insulation sizes.

In addition to standard cut-and-rolled offerings, DFI fabricates a full range of custom shapes and components. Whether it's rectangular jacketing for ductwork, removable equipment boxes, valve cans, large-format elbows, end caps, or other unique applications, our CNC technology enables us to fabricate custom solutions with precision and speed.

Our boxes and cans are built using Pittsburgh seams for unparalleled strength and durability. Our pre-cut bands with attached wing seals and our made-to-order end caps reduce installation costs considerably.

Our decades of experience and advanced fabricating capabilities make DFI the only choice for aluminum products in the mechanical insulation industry.

Standards & Code Compliance

- Complies with ASTM C1729 – Aluminum Jacketing for Thermal and Acoustic Insulation.
- Meets requirements of ASTM B209.
- Fabricated fittings conform to ASTM C450 standard dimensions.
- Products are sized per ASTM C585.
- Jacketing complies with ASTM E84 surface burning requirements (25/50 or less).

Aluminum Duct / Flat Surface Jacketing

Largest Side (inches)	Minimum Thickness (inches)
0 – 24	.016
> 24 – 36	.020
> 36 – 48	.024
> 48	.032
<i>*minimum thickness per ASTM C1729</i>	

Aluminum Pipe / Vessel Jacketing

Insulation O.D. (in)	Min. Aluminum Jacket Thickness	
	Rigid Insulation	Non-Rigid Insulation
≤ 8	.016	.016
Over 8 thru 11	.016	.020
Over 11 thru 24	.016	.024
Over 24 thru 36	.020	.032
> 36	.024	.040
<i>*minimum thickness per ASTM C1729</i>		

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