

ALUMINUM SEALS



PRODUCT DESCRIPTION

Ideal Products' Aluminum wing seal and closed seal products conform to ASTM B209. Standard alloys for aluminum banding seals are 3003. Wing Seals are manufactured to accommodate banding in 1/2" and 3/4" widths and are manufactured in thicknesses of 0.024" standard or 0.032" heavy duty. All wing seals are silver mill finish aluminum.

PRODUCT APPLICATION

Aluminum seals are the fastening component of banding used to secure stainless steel or aluminum jacketing over insulation where screws are not allowed per the specification. When combined with our in-house manufactured 0.024" thick wing seals or with 0.032" heavy duty seals, banding provides an extra layer of protection for the insulation when securing the metal jacket. Banding is also utilized when jacketing tanks, vessels and round ducts. Quality wing and closed seals allow for proper use of banding tensioners during installation.

PHYSICAL PROPERTIES

FINISHES

SMOOTH (MILL FINISH)

SEALS QUANTITY PER THICKNESS AND BANDING TYPE

| BANDING TYPE | THICKNESS (in.) | BOX QUANTITY (EA) |
|--------------------|-----------------|-------------------|
| 1/2" Aluminum Wing | .024" | 1000 pcs. |
| 1/2" Aluminum Wing | .032" | 1000 pcs. |
| 3/4" Aluminum Wing | .024" | 500 pcs. |
| 3/4" Aluminum Wing | .032" | 1000 pcs. |

MATERIAL SPECIFICATIONS

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| ASTM B209 | Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate |
| ASTM C1729 | Standard Specification for Aluminum Jacketing for Insulation |
| ALLOY | 3003/3105/5052 |
| TEMPERS | H14, H24 |
| THICKNESSES | 0.020" |
| MELTING POINTS | 660 °C (1220 °F) |
| TENSILE STRENGTH <small>ksi (min.) per ASTM B209</small> | 3003: 20–26 3105: 22–29 5052: 31–38 |
| YIELD <small>ksi (min.) per ASTM B209</small> | 3003: 17 3105: 18 5052: 23 |
| ELONGATION <small>% per ASTM A240</small> | 3003: 3 3105: 1 5052: 5 |
| ASTM E84 <small>Flame Spread/Smoke Development</small> | 25/50 or Less |
| ASTM C1371 <small>Surface Emittance</small> | >0.04 New; 0.1 Oxidized in Service |

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