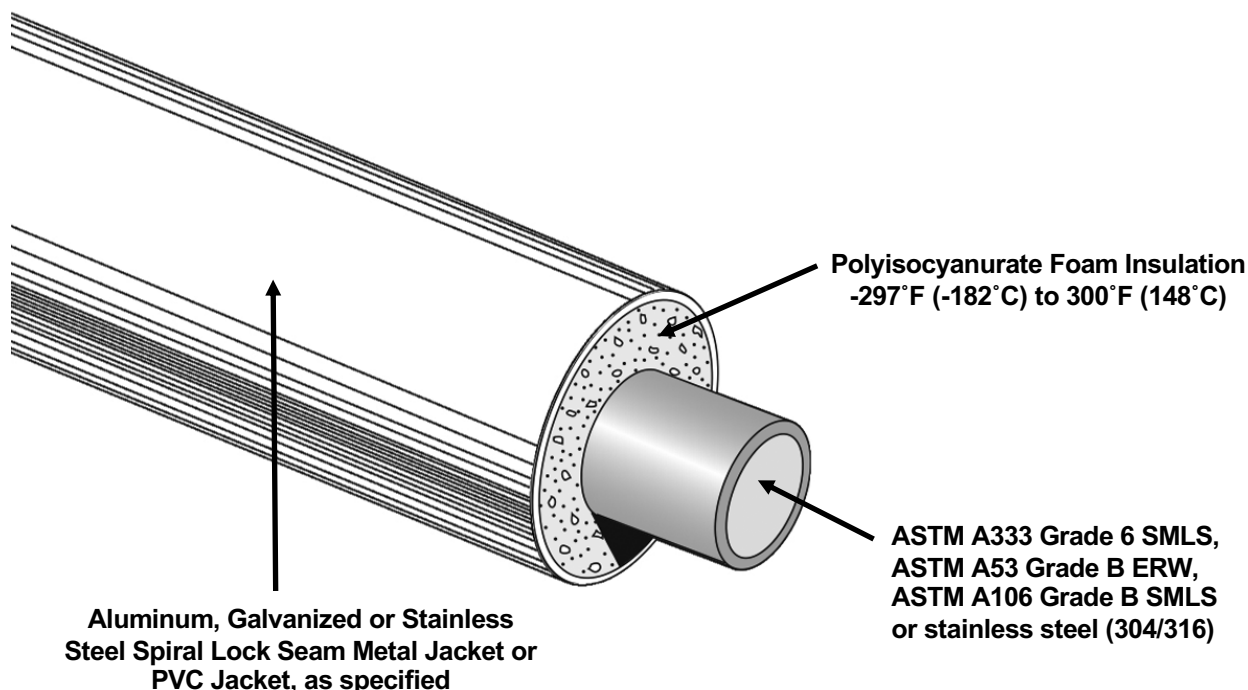


# Insul-8® Above Ground Cryogenic Piping

Above Ground for Propane (- 47°F, - 43°C), Butane (- 5°F, - 20°C)  
& LNG (- 260°F, - 162°C)



Rovanco's Above Ground Cryogenic Piping is designed for piping above ground suitable for indoor and outdoor applications. non-flammable polyisocyanurate insulation and durable metal/PVC jacket supplied 20' or 40' lengths, means an economical, high-quality system.

Rovanco's Above Ground Cryogenic Piping is provided with spiral lock seam metal jacket of aluminum, galvanized or stainless steel or a PVC jacket. These jackets can be supported from the outside with maximum supports spans. Fittings are field insulated with material supplied by Rovanco.

The Piping comes complete with appropriate covers, insulation, fittings and banding or tape to make the installation completely watertight for above grade applications.

To find out more about Rovanco's Above Ground Cryogenic Piping System, you can visit our factory, phone us (815) 741-6700, fax us (815) 741-4229, visit our website at [www.rovanco.com](http://www.rovanco.com) or e-mail us at [marketing@rovanco.com](mailto:marketing@rovanco.com).

## SPECIFICATIONS For Insul-8® Above Ground Cryogenic Piping System

### Carrier Pipe Type:

2" to 36" carrier pipe shall be 20' or 40' lengths.

### Insulation:

300°F cryogenic foam insulation has an initial K factor of .14, density of 2.0, closed cell content of >90%, compressive strength of 30 psi, and continuous service temperature of -297° F (-182°C) to 300° F (148°C). Conformance with ASTM Standards D1621, 1622, 2126, 2842, 2856, C518 and E96. Completely filling the annular space between the carrier pipe and jacketing. Provide written independent performance certification with submittals.

Insulation shall have a nominal thickness of 2" and could be increased to 6" dependent on the heat gain calculations.

### Jacket Material:

Shall be spiral lock seam aluminum, galvanized steel or stainless steel jacket or a PVC jacket, or as specified.

See **Table 1** for metal jacket thickness, **Table 2** for PVC jacket thickness.

**Table 1:**

| Jacket Size<br>(in Inches) | Aluminum, Galvanized or Stainless<br>Steel Spiral Lock Seam Jacket<br>(dependent on metal material) |
|----------------------------|---|
| 4                          | 22-26 Gauge   |
| 6                          | 22-26 Gauge   |
| 8                          | 22-26 Gauge   |
| 10                         | 22-26 Gauge   |
| 12                         | 22-26 Gauge   |
| 14                         | 18-22 Gauge   |
| 16                         | 18-22 Gauge   |
| 18                         | 18-22 Gauge   |
| 20 & larger                | 18-22 Gauge   |

### Insulated Fittings and Joints:

All straight joints and fittings joints shall be insulated using material supplied by system manufacturer.

### Jacket Fitting & Joint Covers:

Provide metal/suitable PVC covers designed to fit snugly on the jacketing to provide a watertight closure. All metal covers shall be banded in place with 3/8" wide stainless steel straps. Suitable PVC covers shall be taped in place with appropriate PVC tape, provided.

### Approved Vendors:

Piping Systems by Rovanco, Joliet, Illinois. All other manufacturers wishing to bid on this project must provide the engineer with certified test data from either foam manufacturer or an independent testing agency that the product is capable of withstanding the service temperature continuously. The manufacturer shall obtain written approval from the engineer 10 days prior to bid date.

**Table 2:**

| Jacket Size<br>(in Inches) | PVC Jacket Thickness<br>(in Mils) |
|----------------------------|-----------------------------------|
| 4                          | 60                                |
| 6                          | 70                                |
| 6                          | 70                                |
| 6                          | 70                                |
| 8                          | 80                                |
| 10                         | 100                               |
| 12                         | 120                               |
| 14                         | 140                               |
| 16                         | 168                               |

*Other jacket sizes available, contact Rovanco for details*

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## Contact Rovanco® for the name of your local Representative

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*This is a generic product datasheet and is not intended for submittal use.*