



max
THERMAL FABRICATORS

OUR PRODUCTS

- ✓ Enerpro Tank Panel System™
- ✓ Metal Jacketing
- ✓ Custom Fabrication
- ✓ Fittings
- ✓ Metal Sales

Advanced
Technology

Custom
Solutions

Experienced
Team





Experience Driven Solutions. Precision Engineered Results.

Max Thermal Fabricators combines our local, 40 years plus hands-on insulation expertise with reliable metal fabrication to deliver efficient, problem-solving solutions. We understand our customers' needs because we've been in the field ourselves as master insulators —taking fabrication out of the jobsite and ensuring every project is done right, on time, and with integrity.

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ENERPRO

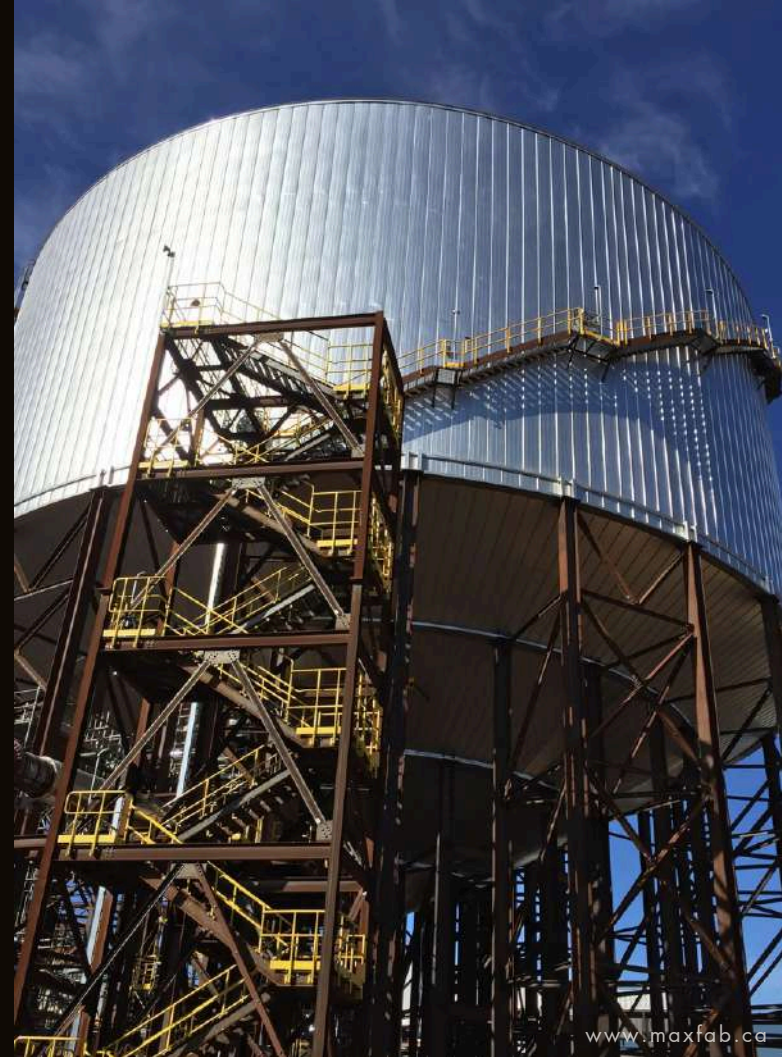
TANK PANEL SYSTEM™

The Enerpro Tank Panel System™, exclusively from Max Thermal Fabricators, is a locally manufactured standing seam panel system designed for superior thermal efficiency, durability, and easy installation. With off-site fabrication, we minimize field time, significantly reducing costs and operational disruptions.

Each panel features an aluminum outer jacket with foil-faced polyiso insulation, forming a durable, laminated structure. Other metal jacket and insulation combinations are available. Panels extend vertically along the full height of a tank sidewall and can also be installed on tank roofs. Insulation is precisely fitted and sealed around manways, nozzles, and stair brackets for a secure installation, with foamglass insulation optional at the base to prevent groundwater or product wicking.



- ✓ **Aesthetic Appeal:** Sleek design enhances the appearance of your tanks.
- ✓ **Custom-Fit Design:** Tailored to your specifications.
- ✓ **Low Maintenance:** Durable system reduces the need for frequent maintenance.
- ✓ **Superior Thermal Performance:** Maintains optimal temperatures, reducing energy costs
- ✓ **Off-Site Fabrication:** Reduced field time, minimizes disruption and ensures faster project completion.
- ✓ **Reduced Scaffolding and Welding Work:** Streamlined installation reduces the need for extensive scaffolding.
- ✓ **Corrosion Minimized:** Sealed system resists moisture penetration, ensuring long-lasting protection in harsh environments.





SPECIFICATIONS

Panel width	24"
Panel height	based on tank height
Panel anchor cable	1/4" or 3/8" dia. wire cable
Panel retaining clip	1/2" O20 stainless steel stainless steel (9.5 mm x 0.38 mm)

Available insulation materials

Polyisocyanurate	-100°F to 250°F (-73°C to 121°C)
Fiberglass	-60°F to 850°F (-51°C to 454°C)
Mineral wool	-60°F to 1200°F (-51°C to 649°C)

Insulation k factors (Mean temperature for k factor is 100°F (37.8°C).)

Polyisocyanurate	0.19 Btu•in/hr•ft ² •°F (0.027 w/m•°C)
Fiberglass	0.24 Btu•in/hr•ft ² •°F (0.035 w/m•°C)
Mineral wool	0.30 Btu•in/hr•ft ² •°F (0.043 w/m•°C)

Available insulation thicknesses

1" to 4" (25 to 100 mm)

Available metal jacket materials /thicknesses

Aluminum	0.024"
Stainless steel	0.016"
Coated steel	26 guage

Available in a variety of colours



CUSTOM FABRICATION

From conception to execution, we deliver high quality, made to order products for your project requirements. Our experienced team combines extensive industry knowledge with advanced fabrication techniques to provide solutions that are both innovative and practical.

- ✓ Pre-insulated Boxes
- ✓ Elliptical Head Gores
- ✓ High-pitched Roofs
- ✓ Dome Roofs
- ✓ Cone Roofs with Rafters



Fittings

- ✓ Gores & Sweeps
- ✓ Vessel Heads
- ✓ Lock-formed Caps
- ✓ End Caps
- ✓ Bevels
- ✓ Tees

Standards ASTM C585, C450
Materials Aluminum, Stainless Steel
Steel Smooth or Embossed

METAL JACKETING

Jacketing is the protective outer surface for mechanical insulation systems, including pipes, vessels, and equipment – protecting the insulation and underling pipe, vessel, or equipment from physical damage, UV exposure, corrosive environments, and water.



Cut and Roll

Standards ASTM B209
Materials Aluminum and Stainless Steel
Smooth, Stucco Embossed
Thickness 016" 020" 024"
Coatings Polyfilm
Options Safety Edges

Corrugated Sheets

Alternating parallel groves and ridges
Standards ASTM B209

Flat Aluminum Sheets

Standards ASTM C1729

METAL SALES

We supply a range of aluminum materials for bulk purchase.

Competitive Pricing: Enjoy cost-effective rates.

Diverse Inventory: Access a wide array of high-grade materials.

Reliable Service: Depend on us for consistent quality and timely delivery.

Experience: Leverage our industrial insulation background to find the right solutions for your project.





✓ Aluminum Coils

- High-quality aluminum coils suitable for diverse industrial applications.
- Ideal for manufacturing, construction, and specialized fabrication projects.

✓ Aluminum Jacketing Rolls

- High-performance jacketing rolls for insulation and protective applications.
- Suitable for use in industrial and commercial insulation projects.

✓ Aluminum Strips

- Precision aluminium strips available in customizable widths.
- Applications include electrical components, transformers, and packaging.

✓ Aluminum Circles

- Aluminum circles designed for cookware, lighting, and industrial uses.
- Offered in multiple diameters to meet diverse specifications.

✓ Coated Rolls

- Premium coated aluminum rolls with various finishes.
- Ideal for architectural projects and exterior cladding.

✓ Aluminum Tread Plates

- Durable aluminum tread plates with anti-slip properties.
- Perfect for flooring, stairs, and industrial platforms.

✓ Aluminum Plates

- Durable aluminum plates in various thicknesses.
- Widely used in automotive, aerospace, and structural projects.



We're ready to help.

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