

ThermoWrap™



Removable Insulation Blankets

For Industrial Applications



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Hot piping on process and steam lines have sections, such as valves, strainers, expansion joints, and flexible connectors, whose shapes make permanent insulation difficult to apply. Furthermore, these sections need to remain accessible for maintenance and inspection. Left uncovered, these sections can be a major source of heat loss, as well as posing a potential hazard to personnel.

Improve Worker Safety, Reduce Heat Loss, Simplify Maintenance & Inspection.

ThermoWrap™ Removable Insulation Blankets are custom designed to wrap snugly around even the most complicated fittings and irregular surfaces. ThermoWrap™ Removable Blankets reduce heat loss in areas that have been uneconomical to insulate with conventional insulation. Temperatures as high as 1000°C/1800°F can be brought to acceptable safety levels for personnel protection. Maintenance is quick and easy, with no rigid permanent insulation to discard and re-apply.

Typical industrial uses for Firwin removable insulation blankets are for: Manways, heat exchangers, flex, valves, flanges, elbows and strainers.



“ I wanted to drop you a quick note to thank you for all your help on our recent insulation blanket order. Every time I contacted your company, everyone was pleasant and helpful. Even when we had a last minute change it was handled very professionally. This high level of customer service make Firwin one of the best companies to deal with.

The blanket fits well, and we are very happy with the product and the great delivery you gave us. I would be happy to recommend your company to anyone who has a need for your products.

Keep up the great work! ”

-Christa North West, NLB Corp.
Buyer



Benefits of Insulating with ThermoWrap™ Removable Insulation Blankets:

Personnel comfort and safety :

- Make heated surfaces touch safe.
- Reduce a 260° C (500°F) surface to 60°C (140° F).
- Prevent accidental burns and potential compensation costs.

Lower maintenance expenses:

- Eliminate removal / disposal of rigid insulation.
- Faster service time.
- No need for new insulation after every service.

Reduced energy costs:

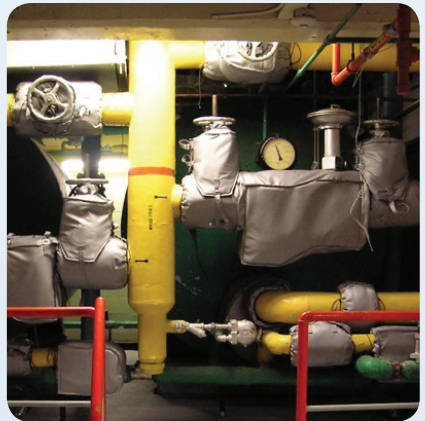
- Lower air-conditioning loads.
- Reduce heat loss to the environment by up to 90%.

Better working environment:

- Lower ambient heat for better working conditions.
- Sound Attenuation: Acoustic qualities can be included in ThermoWrap™ blankets to attenuate objectionable noises.

Quick, easy access to insulated parts:

- ThermoWrap™ Insulation Blankets can be removed and re-installed in minutes, even with inexperienced personnel.



ThermoWrap™

Energy Savings for Industry

ThermoWrap™ offers a convenient way to improve production efficiencies while lowering energy costs and increasing facility profitability.

Firwin custom manufactures extrusion and injection molding removable insulation blankets for:

- Barrel Heaters
- Flow Tubes
- Dies
- Corner Blocks
- Heads

Firwin insulation blankets are designed to fit around electrical connections and thermocouples. All are made from Non-Combustible High Temperature Materials.



Benefits of ThermoWrap™ in Plastic Applications

- Reduce energy usage by 20% to 40%.
- Preheat in 1/4 of the time.
- Eliminate draft problems affecting quality control.
- Maintain uniform temperatures with lower energy input.
- Speed start time, recovery time after servicing.
- Improve plant environment and worker comfort.
- Protect workers from accidental contact burns.
- Payback time typically under 6 months.



“ Take it from me, I waited till last on my budget to get around to the energy recuperation from Firwin's THERMOWRAP blankets, but once I did the project the safety aspect has even out-weighed the savings from energy by virtually eliminating burns from our extrusion equipment. ”

-Leo Blais EET Astt, Project Engineer
Spartech Plastics

Why Firwin?

Over 25 years of experience

Firwin has been in the insulation blanket business since 1982.

Blankets are custom designed to fit your precise needs

Different applications call for different insulation solutions. The type of insulation material, blanket thickness, outer cover, and other factors can vary from one customer to the next.

At Firwin, we work with you to arrive at the best insulation solution for your application.

Commitment to excellence in customer service

We strive to respond to all inquiries within 24 hours. Our design team is ready to help you determine what insulation is right for you. If there ever is a problem with one of our blankets, we will do whatever is necessary to make it right. Just ask our customers – most of our business comes from their referrals.

“Dealing with Firwin is always professional and very easy. The staff is well-versed in insulation technologies, and are prompt with a reply to my various technical inquiries. Firwin has consistently produced custom fabricated insulation blanket orders for me with an attention to detail and level of customer service unsurpassed in the industry.”

- Ted Karas, Sales Engineer,
Boulden Energy Systems



Firwin insulation blankets are typically fastened using stainless steel lacing wire. While this method is the most versatile, alternative fastening systems are available. Our staff will work with you to decide which system is right for you.

Noise Barrier and Absorption Composite

Firwin supplies acoustical attenuation configurations where noise is a concern in addition to heat loss. We also supply Spray Shields for the chemical industry.



In addition to Industrial Applications, Firwin Corp provides removable insulation solutions to a number of industries:

- Mining
- Power Generation and Genset
- Off Highway Vehicles
- On Highway Vehicles
- Military
- Marine
- Locomotive

Our blankets are designed to fit:

- | | |
|-----------------------|-----------------------|
| • Engine Manifolds | • Manways |
| • Elbows | • Heat Exchangers |
| • Flex Connectors | • Valves |
| • Turbo Chargers | • Flanges |
| • Pipes | • Strainers |
| • Silencers | • Expansion Joints |
| • Purifiers and SCRs. | • Extrusion Equipment |



firwin

We've Got You Covered

Contact Firwin

Toll free: 1-877-FIRWIN7 (347 9467)

Canada West

Toll Free: 1-877-784-9784

Tel: 780-800-6925

Fax: 1-800-462-9080

Canada East

Toll Free: 1-877-347-9467

Tel: 416-745-9389

Fax: 416-745-0782

United States

Toll Free: 1-877-347-9467

Tel: 914-307-9014

Fax: 914-219-3199

www.firwin.com - firwin@firwin.com



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