

INSUL-WRAP™ Propane Tank Cover Advantages:

Propane is often used as a source of fuel in the industrial marketplace. Unfortunately, the cold weather in many areas can cause the propane to gel in the tank, thus rendering it ineffective as the fuel level drops. Originally, a two-piece Insul-Wrap™ cover was designed to help insulate these tanks, but due to the different tank configurations and dome / relief valve locations, field cuts were often required to ensure proper access. These field cuts would leave the insulation exposed to moisture (wet insulation loses its insulating value) which could in turn freeze. As well, in many instances the sealing tape supplied was unable to properly adhere to the cover due to cold temperatures and moisture.

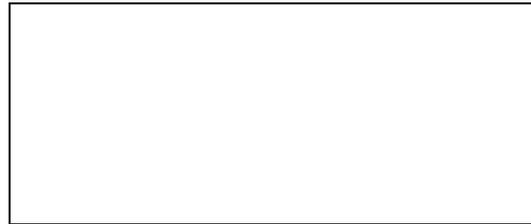
Seeing a **problem that needed a real solution**, Insul-Wraps™ designed a new and much-improved product for insulating these propane tanks. The new one-piece Insul-Wrap™ Propane Tank Cover employs a top made from foil-double-bubble-foil while the sides incorporate the traditional light density fiberglass insulation, encapsulated with black polyethylene. When installing the cover, the sides are simply strapped together with 3 nylon straps (per end) and belly straps are provided to go underneath the vessel. Any field cuts (for dome / relief valve) can be done in the bubble-foil top of the cover, and since bubble foil is not affected by moisture, it eliminates the need for taping and sealing. **Simply cut out the hole for the dome / relief valve and install the bubble-foil dome cover.** Insul-Wrap™ Propane Tank Covers can be made to fit 500 or 1000-gallon propane tanks.

Save time and money by using Insul-Wraps™ Propane Tank Covers.

Note: There has been much controversy over the effectiveness of foil-double-bubble-foil insulation in industrial applications. This controversy stems from the fact that these products need an air space in order to provide any insulating value. As illustrated on the cover of this brochure, the new Insul-Wrap™ Propane Tank Cover has a very flat top, which allows for substantial air space and reflective insulation value.

Custom sizes available upon request

When you need to protect your equipment from freezing, use only Nu-West Insul-Wraps. Available from:



www.insul-wrap.ca

INSUL-WRAP™

Propane Tank Covers

www.insul-wrap.ca

Light density fibreglass insulation, encapsulated with black polyethylene and Bubble Foil radiant barrier.

Designed for use in industrial applications





Nu-West Construction Products Inc. has been manufacturing insulation products for the industrial marketplace since 1992. As active members of the Thermal Insulation Association of Canada (TIAC) Nu-West's team members have an unsurpassed knowledge of thermal insulation properties and applications. Nu-West's combined industrial insulation experience is well over 100 years - making them clear leaders in the market. *The Nu-West Construction Products team continually strives to build a company of Enduring Excellence, founded on Real Truth and True Relationships, that provides Solutions to Real Problems within the Construction Industry.* Please feel free to contact a team member at your nearest Nu-West location should you require information about any industrial insulation product or service.

INSUL-WRAP™ Propane Tank Cover.

Nu-West's Insul-Wrap™ products are designed to be a convenient, re-usable solution for insulating pipes, wellheads, vessels and other equipment. All Insul-Wrap™ products are made using only the highest quality R-12 (Cdn) fibreglass insulation, which is then fully encapsulated by a 6mil, UV-resistant, polyethylene sleeve.



FACTS ABOUT INSULATION:

R-Value Measurement:

All types of insulation, regardless of the specific application, are primarily used to prevent or reduce transfer of heat and/or sound. **The standard unit of measure commonly used in North America to describe a material's insulating value is "R-value".** Whereas "R" simply stands for "Resistance to heat flow" - the number that follows "R" is the actual measurement of how effective the installed insulation will be. The higher the R-value, the greater the insulating power of the material. Metric measurements are also commonly used and are referred to as the RSI value.

Manufacturing, Installation and R-Value:

In order for light density fibreglass insulation to perform at its specified R-value, the product must be able to recover (expand) from its packaging to reach its optimum thickness. For example: 3.5" thick (R-12) residential 'batt' insulation will only perform at an R-12 level if it is allowed to expand and fill the 3.5" cavity produced in 2x4 wall-construction. **If the insulation is unable recover to its original 3.5" thickness due to improper packaging, processing, or installation, then the product will not perform to the full potential of its specified R-value.**

The need for complete material recovery applies to any light-density, fibreglass insulation product. Put simply, an R-12 base insulation will only perform to an R-12 level if it is allowed (and able) to recover completely. Many products on the market are packaged too tightly or are improperly processed; this can crush the insulation past the point of full recovery and prevent the product from ever performing to its original potential.

Most light-density fibreglass insulation is designed and manufactured for one-time packaging only. This means that these products are designed for compression to +/- 1/10th of their original size - for shipping purposes. (Residential 'batt' insulation is an example of this; we have all seen how much a bundle of 'batt' expands when it is opened.) However, these products can only withstand packaging compression once. If these products are compressed again (during a secondary manufacturing process) the original fibreglass manufacturer may not guarantee that the product will recover to its intended thickness (or full R-value.) **Most fibreglass insulation is simply not designed for secondary compression.**

The Insul-Wrap™ Difference:

The North American Insulation Manufacturers Association (NAIMA) has developed a standard for insulation that will go through secondary compression. This standard is NAIMA 202-96 (Rev. 2000). **All Insul-Wrap™ products are manufactured using only NAIMA 202-96 (Rev. 2000) insulation that has dual compression compatibility built into the fibreglass matrix** and their product is also compliant with the Canadian Standard CAN/ULC-S702-97.

Unlike many types of fibreglass insulation on the market, **Insul-Wrap™ products are designed for secondary compression** - once by the original fibreglass manufacturer and again in the Insul-Wrap™ production department. Since the material is designed to allow for secondary compression, the customers using the material will receive the highest possible R-value from the base insulation.

Note: Insulation products that are designed to be installed as a wrap are usually done so at a recommended 25% compression. This means that an R-12 insulation, after installation, should be 2 5/8" thick and will perform at an R-9 level. The only possible way to increase from this R-9 is to either use a higher R-value base insulation or to install the wrap at less than 25% compression.