

# STRAIGHT LINE INSULATION I, LP

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Insulation - Heat Tracing - Scaffold - Sewn Blankets - Paint & Coatings

## STRAIGHT-WRAP™

### Specifications Straight-wrap™ Insulation

Straight-wrap Insulation is 3" or 4" wide, jacketed ½" or 1/8" thick insulation. It can be wrapped around equipment to provide temporary insulation or emergency insulation on critical equipment. It is made of the same high quality materials as all Straight Line Insulation blanket products.

#### *CUT TO LENGTH*

Flexible straight-wrap blanket insulation comes in standard lengths of 10', 30', and 50'. The maximum continuous length available is 50'. However, all standard lengths are constructed with a double stitch every ten feet so that it can be cut to a desired length in the field without cutting into the insulation.

#### *UNIVERSAL*

Straight-wrap insulation adapts to all installations thus making it ideal to stock for all emergency situations.

#### *EFFECTIVE INSULATION*

The weatherproof lining and jacket covers protect the insulation from moisture. Even if the equipment being insulated is not weatherproof, the insulation stays dry and effective.

#### *REUSABLE*

The durable materials and quality construction insure a long, usable life. When it is removed, simply re-roll for storage, ready to be installed again.



#### *EASY TO INSTALL*

Straight-wrap insulation is easily installed on complicated equipment. Simply wrap the equipment until completely covered. Easy-to-use ties effectively hold the insulation in place.



## Installation

Begin the installation by wrapping the insulation around the equipment such that each successive pass overlaps the previous one covering the seam or pipe. A tie strap may be used to hold the insulation in place while starting or at any other difficult spot.

When wrapping equipment, always start from the bottom up. This will provide a water shed.

When finished simply wrap any excess length back around and then fasten tie strips as required.

## Cutting insulation to length

Locate double stitching found at each ten-foot interval along the insulation strip. Carefully cut with scissors between double stitching

## Insulation Material Specifications

Specification		Insulation Materials
Temp Mat	TM	1/2" thick [ Ambient to 1200°F]
Aerogel	AE	1/8" thick [ -40°F to 1200°F]
Elastomeric	EL	1/4" thick [ -40°F to 220°F]
Teflon	TF	Inside/outside fabric up to 550°F
Silicone	SI	Inside/outside fabric up to 500°F

**LEWCO Temp Mat** is composed of 100% select Type "E" glass fibers needled together into mat form. Temp Mat is processed in such a way to maximize thermal efficiency. It is non-respirable, incombustible, asbestos free and contains no resinous or inorganic binders.

**AEROGEL® Pyrogel XT** is the most effective high-temperature insulation in the industrial market, typically 2-5 times thinner than competing products. It is efficient, durable, and more productive to install. Its water resistance offers a level of protection against corrosion under insulation.

## Teflon Weather Barrier - Inside and Outside

Materials: LEWCO 1650T PTFE Teflon Impregnated Fiberglass Fabric, LEWCO Style 1650T is an asbestos free woven fiberglass fabric impregnated with PTFE.

Teflon resins, then top coated with pigmented Teflon. This coating is impervious to most known chemicals, will not stain, and cleans easily. LEWCO Style 1650T has a fairly stiff feel and has excellent abrasion, tears, and punctures resistance. This is a very durable medium weight fabric for removable insulation blankets. Rated for up to 550 degrees.

## Silicone Weather Barrier - Inside and Outside

Materials: LEWCO Style 1750SA-2, Lewco 17.5 oz. Silicone Impregnated Fiberglass Cloth is an asbestos free woven fiberglass fabric impregnated with a special chemical, water and oil resistant silicone rubber. All Pads will be Double-stitched seams. LEWCO Style 1750SA-2 is a flexible, medium weight fabric for removable insulation blankets rated for up to 500 degrees.

## Coverage

The amount coverage is dependent upon the method of installation. The following is intended as a guide only. This guide is based on 4" wide.

Length of Insulation	5'	10'	30'	40'	50'
3" Pipe Spirally wrapped	1.25'	2.5'	6.5'	8'	11'
2" Pipe Spirally wrapped	2'	3'	9.5'	13'	16'
1" Pipe Spirally wrapped	4'	7'	18'	22'	29'
2.5" Pipe on 2.125" Spirally wrapped	1.6	3.5'	10'	13'	17'

## How to Order:

Specify the Straight-Wrap model:

#SLI-WRAP-[3 or 4 on Width Size]-[Fabric Type]-[Insulation Type]-[Length of insulation in Feet]

e.g. #SLI-WRAP-4-SI-TM-30

Insulation Type: **TM** – Temp Mat, **AE** – Aerogel

**EL** – Elastomeric

Fabric Type: **SI** –Silicone, **TF** - Teflon