

METAL BUILDING INSULATION

A DIVISION OF BUILDING OUTLET CORP.

INSULATION BROCHURE

ENERGY EFFICIENCY

CONTROLS HEAT FLOW

CONTROLS NOISE

LIGHTING EFFICIENCY

PREVENTS CONDENSATION



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TESTIMONIALS

Milo Anderson, Oregon Tool & Supply

“ . . . My building was built a long time ago with zero insulation in the walls. I put your insulation from ceiling to floor, which is 14' and taped it all together. Last year the natural gas bill was over \$1,200 a month. The first full billing cycle was 13 therms, last year it was 25 therms. Right at 50% savings!!! Incredible!!!

Why didn't I insulate before now? **DON'T HESITATE!! INSULATE!!!** Thanks again.”

Jim Stepanek, Citrus Springs, Florida

“I installed your insulation in my building several months ago and I love it! The pieces were cut as specified and fit very well. The job took longer than I thought, but I was able to do it myself.”

Sandy Galvin, Hebron, Indiana

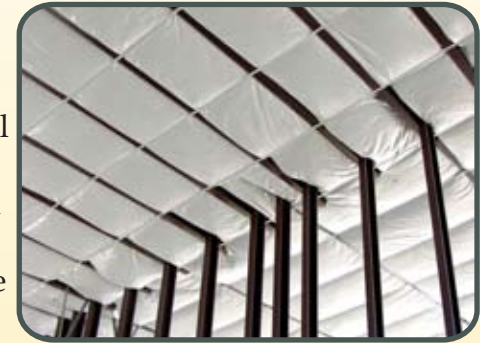
“ . . . Your company was of great help in determining the proper sizes of batts, cutting the material to size, and delivering it in a timely fashion. Last year our monthly heating bill was about \$600. This year the bill is about \$300 and we expect to recover all of our investment in less than three years. We expect to add insulation to the walls in the coming year, and we certainly expect to use your company to help us in the process.”

RETRO-FIT VS. NEW CONSTRUCTION

RETRO-FIT

Retro-Fitting is a method used to insulate an existing building. Fiberglass blankets are pre-cut to fit within your purlin and girt spaces of the existing building. After the fiberglass is cut, the facing of your choice is laminated to it. Stick pins or InsulHold can be used to help keep the insulation in place on the walls. Metal bands can be used to keep insulation up in the roof. Retro-Fitting is an attractive option to help save in thermal

energy loss, which will save you money on energy bills in the long run.



NEW CONSTRUCTION

Standard width fiberglass blankets are laminated with the facing of your choice. The insulation is rolled out over the purlins or girts before the wall and roof panels are screwed on. Double layer banding systems

are an option for new construction, which give higher R-Values in the roof.



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INSULATION OPTIONS

BLANKET THICKNESS / R-VALUES

The higher the blanket thickness, the higher the R-Value. R-Value is a measurement of the effectiveness to retard the loss of heat flow.

SINGLE LAYER

2" Not Rated
3" R-10
4" R-13
6" R-19
8" R-25
9" R-30

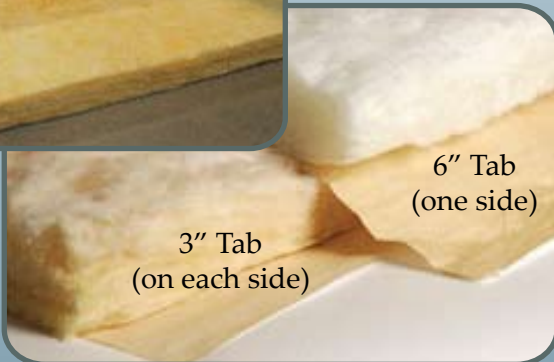
DOUBLE LAYER

6" and 3" R-29
6" and 3.5" R-30
6" and 4" R-32
6" and 6" R-38
(top layer is unfaced)



FACINGS

Facing materials are applied to fiberglass blankets to serve as a vapor retarder or barrier as well as a protected cover over the fiberglass. Facing material offers a clean finished look in any metal building environment. A variety of facings are available, ranging from light duty to heavy duty



TABS

Tabs are an extension of the facing material past the fiber glass blanket. In retrofit this is usually 3" on each side and 6" on one side in new construction. In RetroFit, It is either tucked up along the side of the fiberglass acting as a trim or used to cover the purlin or girt. An option is to get a factory pre-applied adhesive on the tab, which the installer peels and sticks to the next blanket. This provides a clean seal to the seams and creates a continuous vapor barrier.

ATTACHMENT METHODS

BANDING

In metal buildings banding can be used to secure insulation in a roof or walls (most commonly in the roof.) Steel bands 1" wide are screwed to the underside of the metal purlin 30" apart creating a grid system and holding up the insulation.



PINS

A common way to secure retrofit insulation to the walls is using stick pins. Insulation stick pins are glued to the wall panel 16" apart. The pins then penetrate the fiberglass and facing and a washer is placed over the insulation to secure it. The pointed tips are then cut off with a wire cutter.



INSULHOLD

Ideal to help hold insulation in place and from sagging. Arrows, which are contoured for strength, stick within the fiberglass and provide holding power to the insulation.

