



TM

Submittal Sheet

Insulation Support System

Information

ULTRA-GRID - The ULTRA-GRID products are designed to support a single or multi-layer insulation system for new buildings or existing (retrofit) buildings. Each system allows for maximum insulation recovery and durable long lasting support.

Banding

The bands used in the Single and Double Banding Systems vary depending on the building, size, and insulation. Single layer insulation systems and retrofit applications typically uses a Single Banding System which requires less banding since less insulation is needed to be supported. Double insulation systems typically require Double Banding Systems to ensure adequate support for the insulation.

Description

Single Banding System - consists of primary bands spaced 24" apart OC.

The Single Banding is typically used for single layer insulation and retrofit systems. The bands, at a specified width, are run perpendicular to the purlins and the full length of the building. At every intersection between a purlin and a band, a 1/2" self-tapping screw securely holds the band firmly in place, providing sufficient insulation support. Recommended spacing between bands for the Single Banding System is at 2' OC.

The ULTRA-GRID Single Banding System is a simple and cost effective solution to help decrease energy costs and improve interior appearance.

Double Banding System - consists of primary bands spaced 48" apart OC and secondary bands evenly spaced between the purlins.

The Double Banding System is primarily used for double layer insulation systems and new buildings. The primary bands are run perpendicular to the purlins and the full width of the building. At every intersection between a purlin and a band, a 1/2" self-tapping screw securely holds the primary band firmly in place. Resting on top of the primary bands and spaced evenly in between and parallel to the purlins, the secondary bands run the full length of the building. Recommended spacing between secondary bands for the Double Banded System is 4' OC (see Secondary Banding Guide on reverse side). The number of secondary bands is determined by purlin spacing.

Advantages

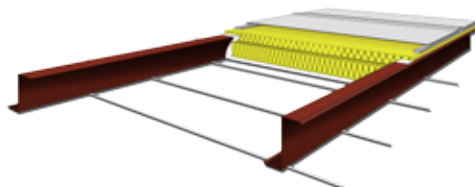
- Achieve Higher R-Values
- Quick and Easy to Install
- Clean and Professional
- Ultimate Insulation Support
- New Buildings
- Retrofit Applications
- Long Lasting

- Single Banding Support System
- Double Banding Support System

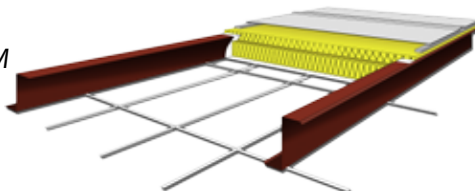
Width	Color	Material
<input type="checkbox"/> 3/8"	<input type="checkbox"/> White	<input type="checkbox"/> Steel
<input type="checkbox"/> 1/2"	<input type="checkbox"/> Black	<input type="checkbox"/> Polyester
<input type="checkbox"/> 3/4"	<input type="checkbox"/> Galvanized	
<input type="checkbox"/> ____ Other		

* Please select the width, color, and material to used for the Single and Double Banding Systems

SINGLE SYSTEM



DOUBLE SYSTEM



Applications

Metal Buildings

- New Construction (All systems)
- Retrofit (Single & Double Banding Systems)
- Commercial
- Industrial
- Agricultural

See reverse side for installation instructions

Installation Instructions

SINGLE BANDING (Figure 1A)

Starting at the eave strut, measure 2' OC and attach the banding to the bottom of the purlins (spanning the width of the building) using 1/2" self-tapping screws (as shown in Fig. 1A). Attach banding at the center of each crossing of a purlin. Banding attaches parallel to the rigid frame rafter and perpendicular to the purlins. Optimal spacing between banding is 2' OC.

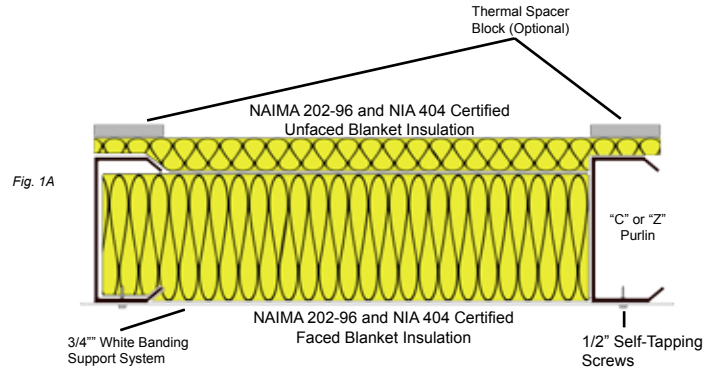
DOUBLE BANDING (Figure 1A)

Starting at the eave strut, measure 4' OC and attach the primary banding to the bottom of the purlins (spanning the width of the building) using 1/2" self-tapping screws (as shown in Fig. 1A). Attach primary banding at the center of each crossing of a purlin. Primary banding attaches parallel to the rigid frame rafter and perpendicular to the purlins. Optimal spacing is 4' OC.

Starting at the rigid frame rafter, attach secondary banding evenly spaced between the purlins using banding clips. Secondary banding installs on top of the primary banding. Refer to the Secondary Banding Guide below for the predetermined number of bands per purlin spacing. A banding tensioner is recommended to provide a tighter and cleaner appearance.

Purlin Spacing	# of Bands
2'	1
3'	2
4'	2
5'	3

Secondary Banding Guide



INSTALLING THE INSULATION

New Building and Retrofit

Installing a Single Layer of Insulation

Unroll and place certified faced fiberglass insulation on top the installed bands. Selle Supply's certified faced fiberglass insulation is delivered custom cut to fit each bay (plus 12 inches to allow for handling and stretching). Make sure the insulation is free of obstructions that could restrict it from fully recovering.

It's very important to ensure the tabs on the faced fiberglass insulation are overlapping to maintain a consistent vapor retarder. Use tape every few feet or so to keep the tabs from separating during installation.

Installing a Double Layer Insulation System

Install the first layer of insulation on top of the bands as described above under *Installing a Single Layer Insulation System*. Ensure tabs are properly sealed and insulation is free of obstructions that could restrict it from fully recovering.

Unroll and position the second layer of certified unfaced fiberglass insulation perpendicular to the purlins and on top of the already installed faced fiberglass insulation. Thermal Spacers are highly recommended to help obtain higher R-Values.

It is strongly recommended to use only 3rd party certified metal building insulation. NAIMA-202 96 and NIA 404 certified post laminate insulation provides optimal recovery value ensuring the entire cavity is filled.

Installing Insulation for Retrofit Applications

Attach stick pins 1' OC on top of the rigid frame rafter between purlins in every bay. Insulation is pulled tight through spacing in bay lengths and held in place with stick pins. To create a vapor barrier tabs must be joined at base of the purlins and taped to prevent air leakage. Tabs can also be tucked up between the purlins and the insulation if a vapor barrier is not necessary.

If you have any questions regarding the ULTRA-GRID products or product installation, please contact your local sales representative using the toll free number below or email sales@sellesupply.com



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