



THERMALINER™ INSULATION SYSTEM

Enhance the energy efficiency of your roof system with this insulated liner system.

As energy costs continue to rise, so does the need for higher-efficiency building products. The state-of-the-art ThermalLiner™ insulation system answers the call in a product that can deliver superior thermal performance. The system also provides additional performance through condensation control and enhanced acoustic properties.

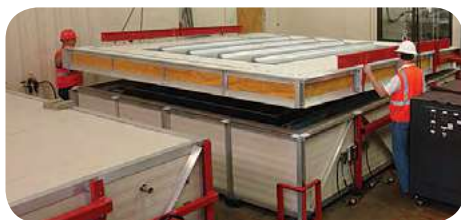
Choose the ThermalLiner insulation system to enhance the energy efficiency and performance characteristics of the MR-24® roof system, VSR II™ roof system or Butlerib® II roof system by Butler Manufacturing™.

ENHANCE ENERGY EFFICIENCY

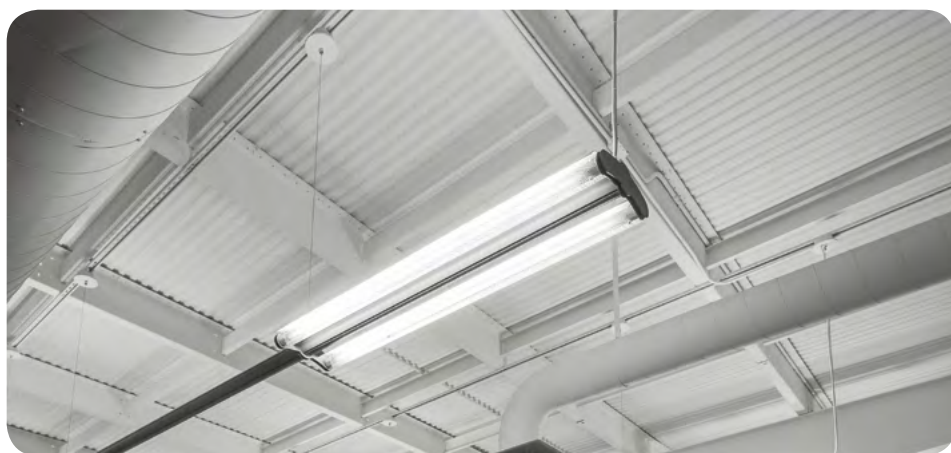
The ThermalLiner insulation system adds multiple layers of roof insulation to help save on your building's heating and cooling costs. Uncompressed blanket insulation can be added in various thicknesses to achieve certified and tested effective R-values as high as 38.7 or the equivalent U-factor of 0.026. Because the ThermalLiner system can be used with any Butler® roof system, a wide range of R-values and U-factors can be achieved, based on the roof system type and configuration specified. Depending on building codes and your specific building requirements, you can choose from tested thermal performance options with R-values in the range of R-22 to R-41 or an equivalent U-factor from 0.052 to 0.026.

TRUST A TESTED SYSTEM

Butler built one of the first guarded hot boxes in North America for the in-place performance testing of actual or effective R-values of roof, wall and insulation system assemblies. This assures that the tested thermal values provided by Butler are verifiable and that Butler building systems deliver the energy efficiency they promise.



The Butler Guarded Hot Box tests actual in-place performance of insulation assemblies.



The ThermalLiner liner panel provides an attractive interior finish.

CHOOSE THE ROOF AND STRUCTURAL SYSTEM

The versatile ThermalLiner system can be specified with the economy of the Butlerib II roof system, the architectural appearance of the VSR II roof system or the proven durability of the MR-24 roof system. And it can be installed on either the Landmark™ 2000 or Widespan™ structural system.

ASSURE FAST AND EASY INSTALLATION

The liner panel of the ThermalLiner system installs with self-drilling screws and offers quick, temporary enclosure to protect against adverse weather. Once installed, the liner panel provides a work surface that allows for easy installation of the roof system and insulation. In addition, the liner can act as a diaphragm to transfer wind loads through the roof system — which may reduce structural bracing.

ADD MORE PERFORMANCE ATTRIBUTES

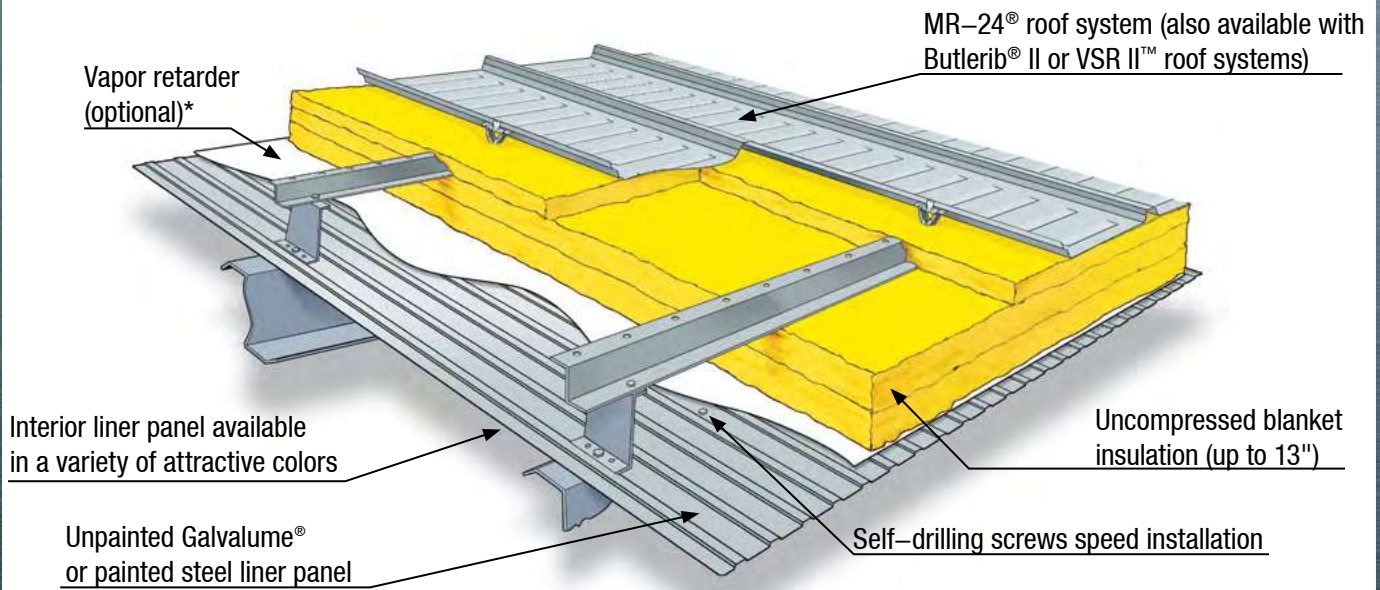
The acoustic characteristics of the ThermalLiner system may reduce noise transmission to create quieter and more productive interior spaces.

And unlike standard insulation systems that require penetrations of the insulation facing in order to install sprinklers, lights and ducts, the liner panel maintains an attractive look while not allowing the opportunity for moisture to penetrate through.

CREATE AN ATTRACTIVE INTERIOR LOOK

The monolithic appearance of the liner panel provides an attractive finished interior look. The liner is available as painted material or unpainted Galvalume®, both of which are abuse-resistant, durable and easy-to-clean. And the liner panel is offered in a wide variety of colors to enhance the interior of your facility.

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*If vapor retarder is not used, proper sealing of the deck joints is required. Ask your Butler Builder® for guidance about the appropriate method for your building.

KEY BENEFITS

- ✓ Superior energy efficiency with an effective R-value as high as 38.7 or U-factor as low as 0.026
- ✓ Liner panel is durable and easy to clean and maintain
- ✓ Liner panel provides an attractive interior and is available in a variety of colors and gauges (up to 22 gauge thickness)
- ✓ Self-drilling screws help to provide fast and easy installation of the deck and sub-structurals
- ✓ Enhanced acoustic characteristics help reduce some interior noise transmission
- ✓ Versatile system can be used with any Butler roof and structural system
- ✓ Steel liner panel acts as a diaphragm to eliminate the need for structural bracing

BUTLER OFFERS YOU MORE

Butler Builders provide complete construction services with single-source responsibility

- Reputable professionals with extensive knowledge of local building codes

Maximize your building's performance with a complete Butler® system solution

- Innovative structural, wall and roof systems
- Precision-engineered for seamless integration



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Form No. 5287 01/16