



Thermal Design

INNOVATIVE ENERGY SAVING PRODUCTS

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- Products

Insulation Systems

- Simple Saver System® (http://www.thermaldesign.com/products/category/simple_saver/a_simple_choice)
- Dispense-R™ (http://www.thermaldesign.com/products/category/dispense_r/dispense-r_overview)
-

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- EnergyCraft® Results (http://www.thermaldesign.com/products/category/synergy_design/energycraft_results)
- HVAC (http://www.thermaldesign.com/products/category/hvac_appliances/overview1)
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Simple Saver System®

Products

Simple Saver System®

- A Simple Choice (http://www.thermaldesign.com/products/category/simple_saver/a_simple_choice)
- Simple Saver System Performance
(http://www.thermaldesign.com/products/category/simple_saver/simple_saver_system_performance)
- Benefits (http://www.thermaldesign.com/products/category/simple_saver/benefits)
- OSHA Compliant Fall Protection (http://www.thermaldesign.com/products/category/simple_saver/fall_protection)
- Building Systems (http://www.thermaldesign.com/products/category/simple_saver/building_systems)
- Components (http://www.thermaldesign.com/products/category/simple_saver/components_accessories)
- Retrofit (http://www.thermaldesign.com/products/category/simple_saver/retrofit)
- JM Formaldehyde-free™ Insulation
(http://www.thermaldesign.com/products/category/simple_saver/jm_formaldehyde_free_insulation)
- Warranty (http://www.thermaldesign.com/products/category/simple_saver/warranty)

- Installation (http://www.thermaldesign.com/products/category/simple_saver/installation)
- Items To Consider (http://www.thermaldesign.com/products/category/simple_saver/items_to_consider1)
- Photo Gallery (http://www.thermaldesign.com/products/photo_gallery/photo_gallery)

Dispense-R™

EnergyCraft®

HVAC

Lighting

Renewable Energy Systems

Photo Gallery

Products / Insulation Systems / Simple Saver System®

Simple Saver System Performance



Simple Saver System® installed in an elementary school cafeteria in Wooster, AR

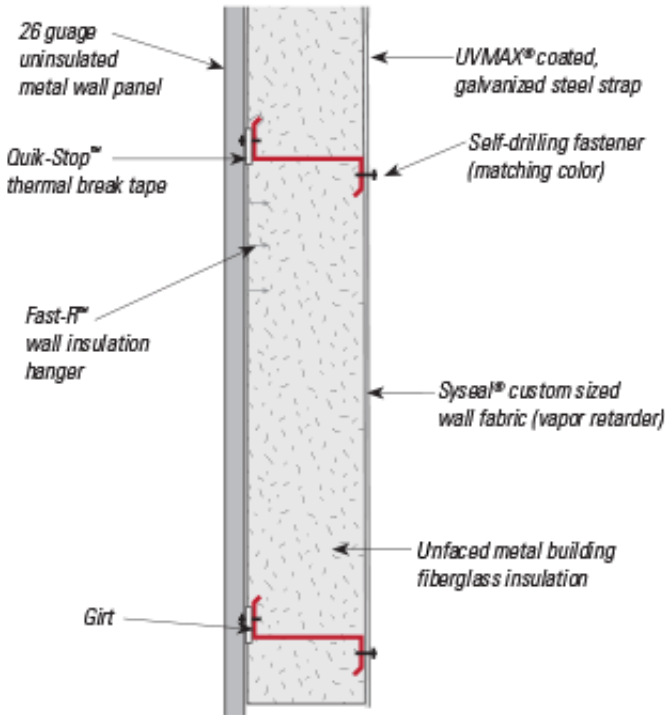
For over 30 years we have developed and promoted high R-value insulation systems in metal buildings.

We believed there had to be a better way to insulate without the traditional methods with so much insulation compression. We would never insulate our homes this way, so why be forced to insulate your metal building this way? The Simple Saver System® is an inexpensive and effective method to create the space needed for full specified insulation thickness in roofs and walls.

- Simple Saver Roof Performance Values
- Simple Saver Wall Performance Values
- Testing and Modeling Thermal Performance
- Design Manual & Instructions

Exterior

Interior



Simple Saver Wall

Performance Values

The Simple Saver Wall System is a high performance insulation system for metal building walls that maximizes the unfaced metal building fiberglass insulation in the cavity space by allowing the fiber glass to maintain full designed thickness. The Syseal® fabric liner is made up of a large custom sized piece to neatly fit each wall bay area, isolating the insulation and conductive girts from the inside conditioned space. The fabric is sealed and then mechanically fastened using UVMAX® coated steel straps with color matching self drilling fasteners around the perimeter and at intermediate girts. The Simple Saver System is typically left exposed to the interior for a bright clean finish.

*Tables below show common offerings. Solutions for higher R-values available upon request. contact us at 800.255.0776.

Simple Saver wall installation in progress at various stages of completion (optional metal liner panel shown).

			90.1-2004 & 2007			IECC 2009 & 90.1-2010			IECC 2012 & 189.1-2009		
Climate Zone			1-7	8	1	2-5	6-7	8	1-3	4-8	
Prescriptive U-factor			0.065	0.049	0.065	0.055	0.049	0.035	0.079	0.052	
Simple Saver System	U-factor	Installed R-value	Assembly options								
	R-25	U-0.060	R-16.6	Yes	No	Yes	Yes	Yes	No	Yes	No
	R-32.5	U-0.047	R-21.3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

R-values represent single layer fiberglass assemblies and girts spaced 7'oc.

* Additional assemblies values are available upon request.

Simple Saver System® R-25 Wall Assembly			
Pre-Installed R-value	Girt Spacing	U-Factor ¹	Installed R-value
R-25 unfaced metal building insulation	8'	U-0.057	R-17.5
	7'	U-0.060	R-16.6
	6'	U-0.064	R-15.6
	5'	U-0.068	R-14.7
	4'	U-0.073	R-13.7

Reduced wall performance values are due to stack effects, fiber orientation effects and heat flow direction.

¹ Heat flow horizontal (winter air films). 75° mean temperature

Simple Saver System® R-32.5 Wall Assembly			
Pre-Installed R-value	Girt Spacing	U-Factor ¹	Installed R-value
R-32.5 unfaced metal building insulation (R-30, NAIMA 202)	8'	U-0.045	R-22.2
	7'	U-0.047	R-21.3
	6'	U-0.049	R-20.4
	5'	U-0.052	R-19.2
	4'	U-0.055	R-18.2

Reduced wall performance values are due to stack effects, fiber orientation effects and heat flow direction.

¹ Heat flow horizontal (winter air films). 75° mean temperature

Specifications, Installation Instructions and Installation DVD available upon request. Simple Saver System Installation



http://webdev.thermaldesign.com/products/category/simple_saver/installation

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Technical Support

Call our experts at **800.255.0776** or
email: custserv@thermaldesign.com

Careers

Join Our Team (<http://www.thermaldesign.com/careers>)

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Madison, NE 68748
402.454.2708 (fax)
- 800.255.0776 (toll-free)
- www.thermaldesign.com (<http://www.thermaldesign.com/>)
- Email: info@thermaldesign.com

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Tools

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