

Knauf Insulation: A Sustainable Leader



Since our founding over 30 years ago in Shelbyville, IN, we have grown to become an industry leader by creating products that make the world a better place today and for future generations. That growth has been driven by our commitment to sustainable products, operations and corporate responsibility.

Energy wasted in buildings is one of the largest and most unnecessary costs to our economies. By increasing the level of insulation, buildings can be made significantly more energy efficient, sustainable and functional. Insulation is often specified "to code," and its real benefits are overlooked. Energy conservation through improved insulation is one of the least expensive and most secure forms of energy available to us. The most economically beneficial way to minimize energy consumption during a building's lifetime is to install optimum amounts of insulation in all required areas.

Knauf Insulation provides eco-friendly products with bio-based ingredients and recycled content to save energy and contribute to better indoor air quality. We manufacture a wide range of insulation materials to meet North America's growing demands for energy efficiency and acoustic performance.



GIVE YOUR BUILDINGS A CLEAN BILL OF HEALTH.

Knauf Insulation's Atmosphere™ products are the only air handling insulation that's formaldehyde-free, Deca-BDE free and featuring ECOSE® Technology.

Available in liner, board and wrap, Atmosphere insulation products contribute to Indoor Environmental Quality (IEQ) by providing excellent thermal performance, superior sound absorption, and low VOC design that meets UL Environment GREENGUARD Gold.

Ideal for schools, healthcare facilities and commercial installations, Atmosphere insulation products fabricate and install quickly, helping to keep construction progress on track.

Achieve a higher level of performance and specify with confidence by using Atmosphere insulation.



ATMOSPHERE™ AIR HANDLING INSULATION FOR HEALTHIER BUILDINGS.



ATMOSPHERE DUCT LINER

Flexible insulation faced liner featuring a tightly bonded mat that gives the airstream a smooth, tough surface, resisting damage during installation and operation.

- Certified UL Environment GREENGUARD Gold Indoor Air Quality Standard
- UL 2824 certified resistant to mold
- Greatly reduces mechanical noise and cross talk
- Durable design for consistent fabrication, installation, and performance

ATMOSPHERE DUCT BOARD

A rigid glass mineral wool board faced on one side with a foil-scrim-kraft (FSK) vapor retarder and with a lightweight non-woven mat on the airstream surface.

- Used to fabricate pre-insulated duct systems
- Shiplap edges for structural integrity
- UL 2824 certified resistant to mold
- Features ECOSE® Technology based on rapidly renewable, bio-based materials
- R-Values up to 8.7

ATMOSPHERE DUCT WRAP

Thermal insulation blanket made from highly resilient, inorganic glass mineral wool bonded by ECOSE Technology. It is available unfaced, with a foil-scrim-kraft (FSK) jacket and with a white metalized polypropylene-scrim-kraft (PSK) jacket.

- Certified UL Environment GREENGUARD Gold Indoor Air Quality Standard
- Thermal conductivity as low as 0.24 at 75° F (24° C) mean temperature
- R-Values up to R-8.4
- Lightweight, flexible, and resilient for ease of installation

Atmosphere™ Air Duct Board

Cartons

Thickness	Type	Edge Type*	R-Value	Width	Length	Pieces/ Unit	Sq. Ft./ Unit	53' TL Load Factor	Units/ 53' TL	Product Code
1"	EI-475	BE	R-4.3	48"	120"	6	240	0.649	154	503913
	EI-475	SL	R-4.3		120"	6	240	0.649	154	522784
	EI-475	SL	R-4.3		96"	8	256	0.649	154	503924
1½"	EI-800	SL	R-6.5		120"	4	160	0.649	154	522782
2"	EI-800	SL	R-8.7		120"	3	120	0.649	154	504110

Cartons on Pallets

1"	EI-475	BE	R-4.3	48"	120"	90	3600	10	10	503915
	EI-475	SL	R-4.3		120"	90	3600	10	10	503920
1½"	EI-800	SL	R-6.5		120"	60	2400	10	10	504108
2"	EI-800	SL	R-8.7		120"	45	1800	10	10	504119

Sheets on Pallets - Enclosed Trailer

1"	EI-475	BE	R-4.3	48"	120"	48	1920	5	20	503914
	EI-475	SL	R-4.3		120"	48	1920	5	20	522788
1½"	EI-800	BE	R-6.5		120"	32	1280	5	20	503928
	EI-800	SL	R-6.5		120"	32	1280	5	20	521914
2"	EI-800	BE	R-8.7		120"	24	960	5	20	503931
	EI-800	SL	R-8.7		120"	24	960	5	20	504111

Sheets on Pallets - Flatbed Trailer

1"	EI-475	SL	R-4.3	48"	120"	44	1760	5	20	503921
1½"	EI-800	SL	R-6.5		120"	30	1200	5	20	522134
2"	EI-800	SL	R-8.7		120"	22	880	5	20	504120

Cartons on Pallets - Flatbed Trailer

1"	EI-475	SL	R-4.3	48"	120"	90	3600	10	10	503926
1½"	EI-800	SL	R-6.5		120"	60	2400	10	10	522655

*Edge Type: BE - Butt Edge, SL - Shiplap Edge

Manufactured Housing Duct Board

Sheets on Pallets

Thickness	Type	Edge Type*	R-Value	Width	Length	Pieces/ Unit	Sq. Ft./ Unit	53' TL Load Factor	Units/ 53' TL	Product Code
1⅜"	MH	SL	3.5	48"	120"	56	2240	5	20	504129
1⅞"	MH	BE	3.5	48"	120"	56	2240	5	20	504126

*Edge Type: BE - Butt Edge, SL - Shiplap Edge

Standard Products: **Listed in bold.** Minimum order per SKU is 1 unit.

Non-Standard Products: Listed in regular type. Generally available from stock, buy may require a lead time of up to 60 days. Minimum order per SKU is 1 carton or pallet.

Custom Products: For items not listed in this price list, please contact your Knauf Insulation Territory Manager. All custom code requests require approval, regardless of whether the product has previously been produced. Special pricing and minimum order quantities will apply.

Custom Minimum Run: 30 MSF - 1⅜" and 1", 25 MSF - 1½" and 2"

Knauf Insulation reserves the right to modify the price list at any time. All items subject to change.

Atmosphere™ Duct Liner

Rolls

Density	Thickness	R-Value	Width	Length	Pieces/ Unit	Sq. Ft./ Unit	53' TL Load Factor	Units/ 53' TL	Product Code
1.5	1"	4.2	35½"	100'	295.83	4	0.321	312	503410
			47"	100'	391.67	4	0.481	208	503418
			47½"	100'	395.83	4	0.481	208	503424
			48"	100'	400	4	0.481	208	503425
			56"	100'	466.67	4	0.521	192	503429
			56¼"	100'	468.75	4	0.521	192	503434
			59"	100'	491.67	4	0.543	184	503444
			59"	140'	688.33	4	1.190	84	503445
			59¼"	100'	493.75	4	0.543	184	503448
			59½"	100'	495.83	4	0.543	184	503449
			60"	100'	500	4	0.543	184	503455
			68"	100'	566.67	4	0.694	144	503462
71"	100'	591.67	4	0.735	136	503467			
1.5	1½"	6.0	35½"	50'	147.917	4	0.298	336	503484
			47"	50'	195.83	4	0.446	224	503493
			47½"	50'	197.92	4	0.481	208	503678
			48"	50'	200	4	0.446	224	503682
			56¼"	50'	234.38	4	0.500	200	503687
			59"	50'	245.83	4	0.521	192	503696
			59½"	50'	247.92	4	0.521	192	503701
1.5	2"	8.0	35½"	50'	147.92	4	0.321	312	503713
			47"	50'	195.83	4	0.481	208	503720
			47½"	50'	197.92	4	0.481	208	503721
			48"	50'	200	4	0.481	208	503722
			56"	50'	233.33	4	0.521	192	503728
			56¼"	50'	234.38	4	0.521	192	503729
			59"	50'	245.83	4	0.543	184	503733
			59½"	50'	247.92	4	0.543	184	503734
60"	50'	250	4	0.543	184	503736			
2.0	½"	2.1	35½"	100'	295.83	4	0.298	336	503743
			47"	100'	391.67	4	0.446	224	503877
			47½"	100'	395.83	4	0.446	224	503880
			48"	100'	400	4	0.446	224	503881
			56¼"	100'	468.75	4	0.500	200	503885
			59"	100'	491.67	4	0.521	192	503887
59½"	100'	495.83	4	0.521	192	503889			
2.0	1"	4.2	59"	100'	491.67	4	1.190	84	503906

Custom Minimums for Atmosphere™ Duct Liner

Density (PCF)	½"	1"	1½"	2"
1.5#	—	20 MSF	16 MSF	16 MSF
2.0#	22 MSF	18 MSF	16 MSF	—

Standard Products: **Listed in bold.** Minimum order per SKU is 1 unit.

Non-Standard Products: Listed in regular type. Generally available from stock, buy may require a lead time of up to 21 days. Minimum order per SKU is 1 unit.

Custom Products: For items not listed in this price list, please contact your Knauf Insulation Territory Manager. All custom code requests require approval, regardless of whether the product has previously been produced.

Special pricing and minimum order quantities will apply.

Knauf Insulation reserves the right to modify the price list at any time. All items subject to change.

Atmosphere™ Duct Wrap

FSK

Density (PCF)	Thickness	Width	Length	Sq. Ft./Unit	Out of Pkg. R-Value	Installed R-Value	Pieces/Unit	53' TL Load Factor	Units/53' TL	Product Code
0.75	1½"	48"	100'	400	5.1	4.2	4	0.208	480	502905
	2"		75'	300	6.8	5.6	4	0.208	480	502885
	2¾"		75'	300	7.4	6	4	0.208	480	502869
	2½"		75'	300	8.5	7	4	0.208	480	502865
	3"		50'	200	10.2	8.4	4	0.208	480	502867
1.0	1½"	48"	100'	400	5.6	4.5	3	0.278	360	502901
	2"		75'	300	7.4	6	3	0.278	360	502900
1.5	1½"	48"	75'	300	6.1	4.8	3	0.278	360	502910
	2"		50'	200	8.2	6.4	3	0.278	360	502909

Plain - Unfaced

0.75	1"	48"	100'	400	3.4	2.8	4	0.174	574	502863
	1½"		100'	400	5.1	4.2	4	0.208	480	502904

White PSK

0.75	1½"	48"	100'	400	5.1	4.2	4	0.208	480	502882
	2"		75'	300	6.8	5.6	4	0.208	480	502880
1.0	2"	48"	75'	300	7.4	6.0	3	0.278	360	502902

Standard Products: **Listed in bold.** Minimum order per SKU is 1 unit.

Non-Standard Products: Listed in regular type. Generally available from stock, buy may require a lead time of up to 21 days. Minimum order per SKU is 1 unit.

Custom Products: For items not listed in this price list, please contact your Knauf Insulation Territory Manager. All custom code requests require approval, regardless of whether the product has previously been produced. Special pricing and minimum order quantities will apply.

Custom Minimums 0.75# - 300 rolls, 1.0# - 250 rolls, 1.5# - 250 rolls

Knauf Insulation reserves the right to modify the price list at any time. All items subject to change.



OUR COMMITMENT TO SUSTAINABILITY

We are a leader in providing sustainable solutions for energy efficiency, productivity and comfort where people live and work, providing products and services that conserve energy and preserve natural resources for a sustainable future.

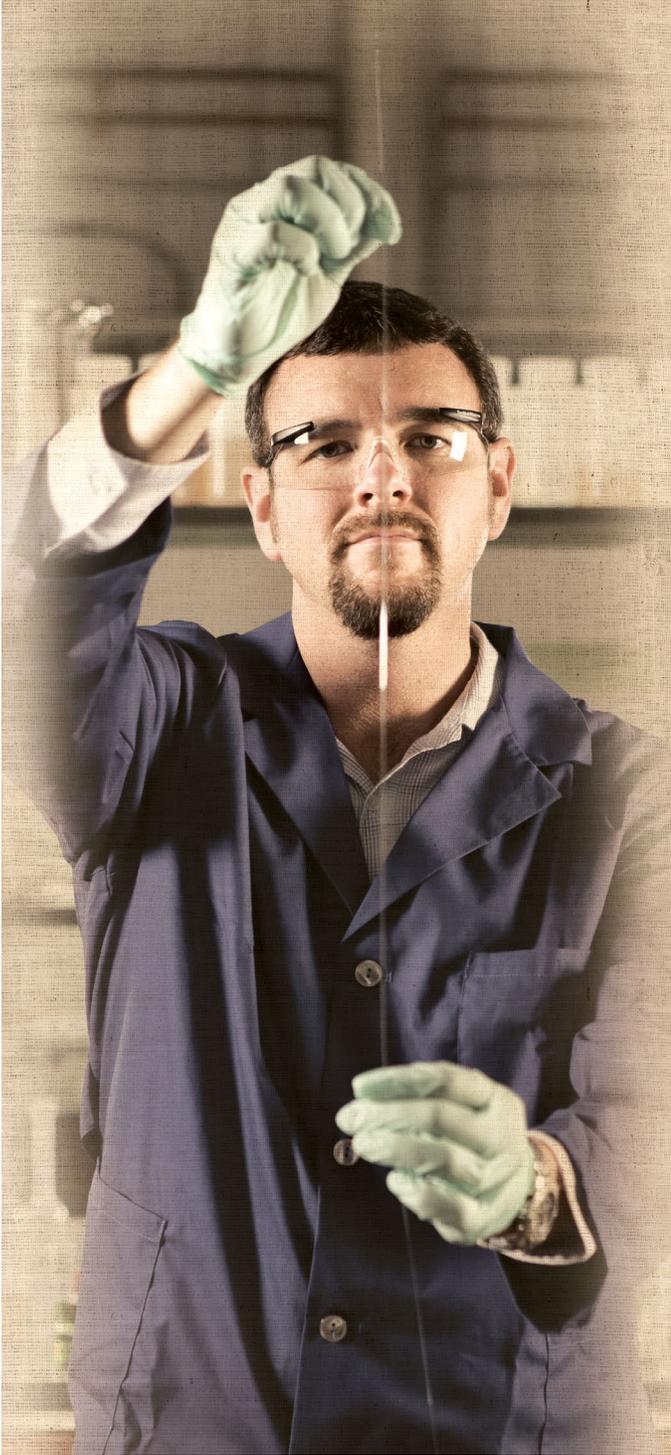
As a family-owned company, we're proud of the Knauf Insulation name and what it stands for. Customers worldwide have put their trust in the quality, consistency and performance of our products and our business values. So, everyone who does business with us recognizes the importance that, in our quest to become more sustainable, there are certain principles that we will not compromise:

- The quality, consistency, and performance characteristics for which our products are known
- Our ability to apply technological advances across all product lines
- The safe and efficient manufacture of our products
- Our goal of reducing emissions from plant operations
- Our commitment to cost-effectively produce our products

Driven by our mission and these principles, we are proud to produce our insulation with ECOSE® Technology. ECOSE Technology is a revolutionary binder chemistry that enhances the sustainability of our products. The "binder" is the bond that holds our glass mineral wool product together and gives the product its shape and brown color. ECOSE Technology is a plant-based, sustainable chemistry that replaces the phenol/formaldehyde (PF) binder traditionally used in glass mineral wool products. Products using ECOSE Technology are formaldehyde-free and have reduced global warming potential when compared to our products of the past.



CORPORATE VALUES



MENSCHLICHKEIT

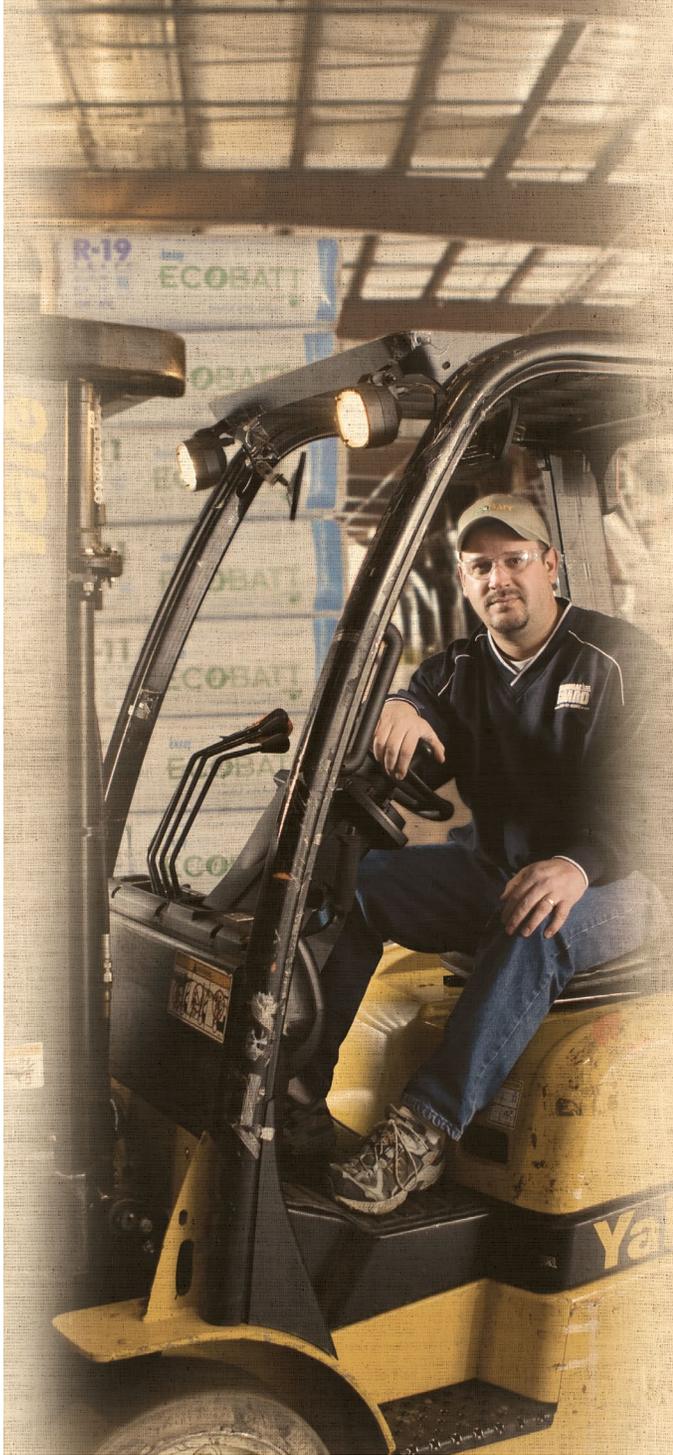
We see our colleagues, our business partners and our stakeholders as part of a big family where traditional principles of integrity and humanity still count. By treating each other fairly and by embracing diversity, together we act with social responsibility. We take care for each other, for society and for the environment.



PARTNERSHIP

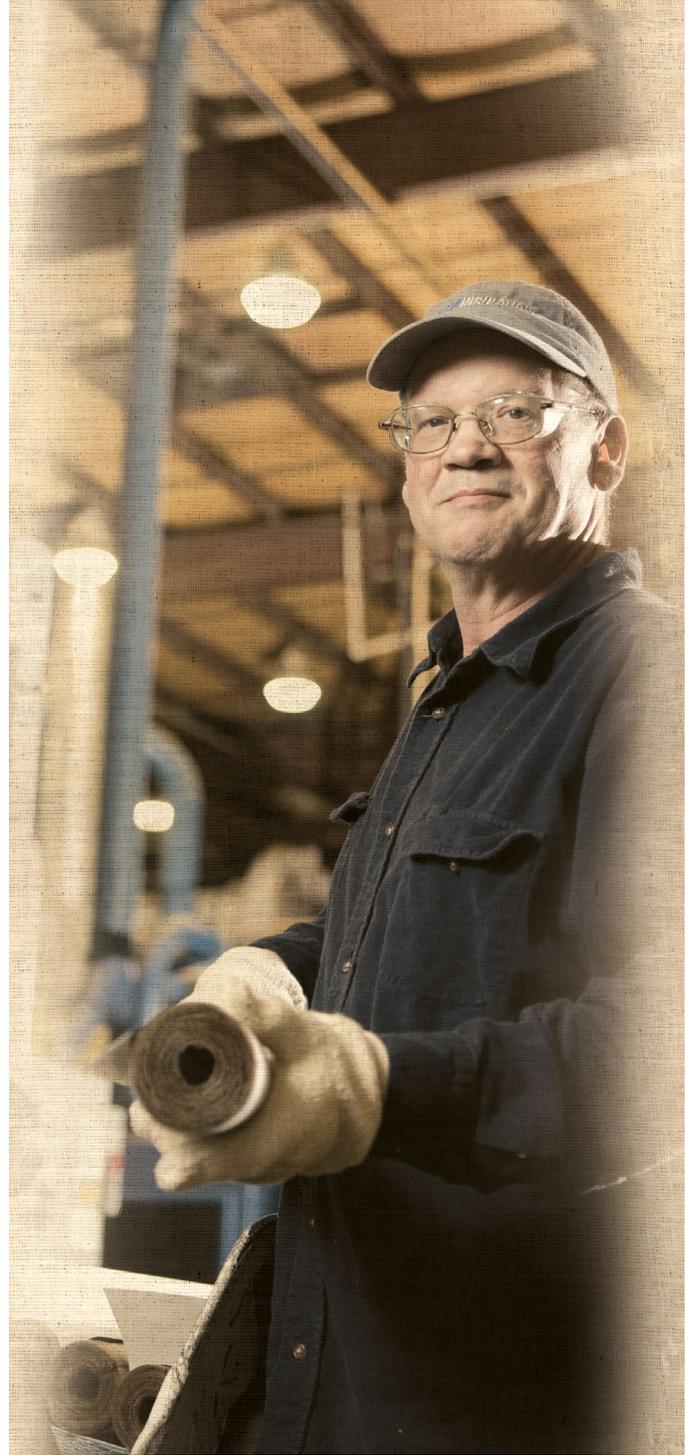
We work to create an environment of mutual trust. This means that we are encouraged to take on individual responsibility and make decisions, because we trust each others judgment. We are one team. We are loyal. We support each other and all the members of the Knauf community.

CORPORATE VALUES



COMMITMENT

We are committed to our work, our colleagues and our community. Taking pride and pleasure in what we do comes natural to us. We always go the extra mile, achieve sustainable results and provide our customers with high quality solutions. Knauf offers real opportunities for personal growth and development helping create a successful team.



ENTREPRENEURSHIP

Through an entrepreneurial style and a willingness to take risk, we have successfully grown from a small family company into a family-owned, globally active organization. Our continued success is driven by a spirit of pioneering, innovation and change combined with a pragmatic and results oriented approach.

KNAUF INSULATION



Our LEED-NC Gold Engineering and Development office building uses 30% less energy than a conventional office while accommodating 50 offices and housing a 126-seat classroom and training center.



Regenerative Thermal Oxidizers installed at our plants have reduced the amount of energy it takes to cure our products and reduced CO₂ emissions from the curing ovens by up to 90%.



All Knauf Insulation products are made from recycled, renewable, and abundant resources; ECOSE[®] Technology, recycled glass and sand.

Knauf Insulation, Inc.
One Knauf Drive
Shelbyville, IN 46176

Sales (800) 825-4434, ext. 8485

Technical Support (800) 825-4434, ext. 8727

Information info.us@knaufinsulation.com

Website www.knaufinsulation.us

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MANUFACTURING IMPROVEMENTS

- We continually look for ways to advance our glass formulations to increase the use of recycled bottle glass in all our products.
- To reclaim and reuse vented heat and to control emissions, we invested in regenerative thermal oxidizers (RTOs) and the best available control technology (BACT) for pollution control.
- By converting our products to ECOSE Technology, we have eliminated chemicals like phenol and formaldehyde from the manufacturing process.

WE ACHIEVED LEED GOLD AND HELP OTHERS DO THE SAME

Our 24,860 square foot Engineering and Development office building earned a New Construction Leadership in Energy and Environmental Design (LEED-NC) Gold certification from the U.S. Green Building Council and uses 30% less energy than a conventional office building.

A SUSTAINABLE IMPACT AND LEGACY

All of our products are made from recycled, renewable and abundant resources, such as ECOSE Technology and sand. And we're proud to be putting glass bottles back to work rather than into landfills. Knauf Insulation products now contain about 26 million bottles each month, all collected at curbside. Our insulation products have an inherent impact on energy consumption as they save hundreds of times more energy in use than is required to manufacture them.

Through the development of revolutionary solutions like ECOSE Technology, we continually focus our efforts on providing solutions that reduce energy consumption and save resources to positively affect the lives of people today and tomorrow.