

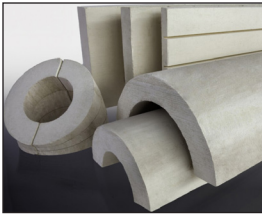


Insulation

Distribution International provides a comprehensive range of industrial and commercial insulation products and accessories.

We partner with leading manufacturers that provide the latest in insulation technology, ensuring your projects are at the forefront of energy savings, life safety, indoor air quality, the green building trend and the LEED-certification building programs.

Insulation



Calcium Silicate

- Flat and Scored Block
- Pipe Insulation
- Insulation Cement
- Fittings

Calcium silicate insulation is used for high-temperature pipes, equipment, and firestopping applications.



Mineral Wool

- Board
- Insulation
- Pipe Insulation
- Curtain Wall
- SAFB

Highly fire-resistant, mineral wool is widely effective for firestopping purposes. DI provides the top brands for this type of protection.



Fiberglass

- Pipe Insulation
- Board Insulation
- Elevated Temperature Blanket
- Duct Wrap
- Batt Insulation

A high surface-area-to-weight ratio makes fiberglass insulation a lightweight, cost-effective solution. Industrial applications include mechanical, HVAC, and metal building insulation.



Needled Blanket

- High Temperature Blankets

Composed of E-glass fibers, this material is effective in high-temperature situations such as hot industrial equipment insulation and engine exhaust.



Spray Foam

- Single-Component
- Double-Component

Single-component spray polyurethane foam is used to fill and seal small cracks and voids. Two-component applicators combine A and B components that expand rapidly to form solid foam, creating a spray pattern to control the application of foam to vertical or horizontal surfaces.



Perlite

- Block Insulation
- Pipe Insulation
- Fittings

Because of its non-corrosive properties and resistance to moisture, perlite protects pipes and equipment while providing excellent insulation. Browse our selection for thermal insulation, fire rating, and noise reduction purposes.



Aerogel

- Cryogel
- XTE
- Pyrogel XT

Superior-quality insulation for use in extreme temperatures — brought to you by DI. Aspen Aerogels® manufactures a diverse line of ASTM C1728-compliant insulation, including Cryogel (for cold work and cryogenic applications) and Pyrogel (for high-temperature use). Ask your local DI technician about using Aerogels in your application.



Polystyrene

- Sheets
- Block

Utilized for its exceptional ability to insulate against noise and extreme temperatures, this material is also effective in managing energy and moisture issues that can compromise the performance of walls.



Polyisocyanurate

This closed cell rigid foam provides exceptional thermal insulation performance and is a cost effective solution in both the commercial and industrial sectors.



PVC

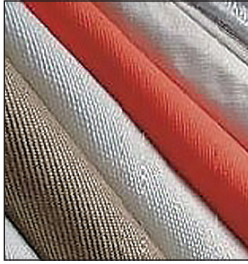
- Jacketing
- Fittings

Our selection of PVC fittings and jacketing systems includes several industry-leading manufacturers. These products are available in high-gloss white and standard colors for both indoor and outdoor use.

Contact your DI representative to request a quote!

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Insulation continued

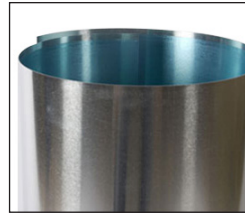


Fabrics

- Fiberglass Cloth
- Silicone Cloth
- Neoprene Cloth
- Canvas Cloth
- Teflon Cloth
- Weld Cloth
- Knitted Mesh
- Fiberglass Gold Heat-Treated Blankets

From versatile fiberglass cloth to engineered wire mesh, DI's wide assortment of fabrics and cloth offer the greatest benefits in insulating performance.

Aluminum and Stainless Steel



- Cut and Curled Rolls
- Sheets
- Fittings
- Strapping
- Seals

DI offers superior-quality metal jacketing along with banding and fittings for use in a broad range of commercial or industrial applications.



Cellular Glass

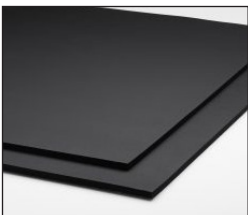
With a high compressive strength and water and fireproofing qualities, cellular glass is environmentally sustainable for use in commercial and industrial applications. This material can be fabricated to all shapes and sizes in our facilities.

Tapes

- ASJ
- Double Sided Tape
- Duct Tape
- FSK
- Filament Tape
- Foil Tape
- Fiberglass Tape
- PVC Tape
- Self Sealing Tape
- Vinyl Tape

Insulation Tools & Accessories

- Brushes
- Calipers
- Insulation Cement
- Insulation Fasteners
- Insulation Toolkits
- Knives
- Staple Guns and Staples
- Strapping Tools
- Support and Saddles
- Welders



Rubber and Polyolephin

- Pipe Insulation
- Sheet Insulation

Rubber insulation is designed for the HVAC and Refrigeration industry. This insulation is highly recommended for condensation control due to its excellent moisture vapor resistance and thermal conductivity. Applications include refrigerant lines, coldwater plumbing and chilled-water systems.

Adhesives, Coatings, Sealants/Caulks

Complete any industrial or commercial insulation job with DI's wide selection of application accessories: adhesives, mastics, coatings, sealants and more.

We offer these brands and more:

- 3M
- Aeroflex
- Armacell
- Aspen Aerogels
- Certainteed
- Childers
- DOW
- Foster
- Ideal
- IIG
- ITW
- Johns Manville
- K-Flex
- Knauf
- Midwest Fastener
- Owens Corning
- Proto
- Roxul
- RPR

Note: This catalog does not represent our full array of product offerings. Please call us for the complete line of safety products available.

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Insulation Formula Card



Product Description	K Factor @75 °F	R Value per 1" Thickness	Normal Density Lb/Cu Ft	Flame Spread	Smoke Developed	Compressive Strength	Temperature Range (°F)	
							Low	High
Calcium Silicate P/C	.41 @ 200°	2.44 @ 200°	14.5	0	0	> 100 PSI	ambient to +1200	
Elastomeric Sheet & Tube	0.25	4.0	3-6	25-1.5" & under	50-1.5" & under	n/a	-297 to +220	
Fiberglass P/C	0.23	4.35	3	< 25	< 50	n/a	0 to +850	
Foamglas P/C	0.29	3.45	7.5	0	0	90 PSI	-450 to +900	
Phenolic Foam P/C	0.13	7.7	2.2	25	50	17.5-29 PSI	-290 to +250	
Mineral Wool P/C	0.23	4.35	8	5	0	n/a	-120 to +1200	
Perlite P/C	.47 @ 100°	2.13 @ 100°	13	0	0	80 PSI	ambient to +1200	
Polyethylene P/C	0.25	4.0	n/a	25 ≤ 1" TK	50 ≤ 1" TK	n/a	-160 to +200	
Polyisocyanurate P/C (Trymer 2000)	0.19	5.3	2.05	≤ 25	≤ 450	25-30 PSI	-297 to +300	
Polyisocyanurate P/C (Trymer 6000)	0.20	5.0	6	25	450 up to 6" TK	130-140 PSI	-297 to +300	
Polystyrene P/C	0.26	3.86	1.6	5	165 up to 4"TK	20 PSI	-297 to +165	
Fiberglass Pipe & Tank	0.27	3.7	3	not rated	not rated	25# / Ft² @ 10%	-60 to +650	
Mineral Wool Pipe & Tank	0.27	3.7	6	not rated	not rated	125# / Ft²	up to +900	
Tempmat 1" Thick	.40 @ 300°	2.5 @ 300°	11	0	0	n/a	up to +1200	
Fiberglass Duct Wrap .75#	0.30	3.4	0.75	25	50	n/a	40 to +250	
Fiberglass Duct Wrap 1.0#	0.27	3.7	1.0	25	50	n/a	40 to +250	
Fiberglass Duct Wrap 1.5#	0.25	4.0	1.5	25	50	n/a	40 to +250	
Aspen Aerogel Cryogel	13.8 @ 32°	n/a	8	< 5	20	25 PSI @ 25% strain	-328 to +194	
Aspen Aerogel Pyrogel XT	.16 @ 212°	n/a	11	0	0	25 PSI @ 25% strain	up to +1200	
Fiberglass TIW Type I	0.27	3.7	1	25	50	n/a	up to +1000	
Fiberglass TIW Type II	0.23	4.35	2.4	25	50	n/a	up to +1000	
Ceramic Fiber 8.0#	.375 @ 200°	n/a	8	n/a	n/a	n/a	up to +2300	
Fiberglass Board 1.5#	0.24	4.17	1.5	25	50	n/a	0 to +450	
Fiberglass Board 3.0#	0.23	4.35	3	25	50	25# / Ft² @ 10%	0 to +450	
Fiberglass Board 6.0#	0.23	4.35	6	25	50	200# / Ft² @ 10%	0 to +450	
Mineral Wool Board 4.0#	0.24	4.17	4	5	0	25# / Ft²	up to +1200	
Mineral Wool Board 6.0#	0.23	4.35	6	5	0	75# / Ft²	up to +1200	
Mineral Wool Board 8.0#	0.23	4.35	8	5	0	120# / Ft²	up to +1200	
Mineral Wool Board 10.0#	0.23	4.35	10	5	0	250# / Ft²	up to +1200	
Mineral Wool Board 12.0#	0.23	4.35	12	5	0	250# / Ft²	up to +1200	
Calcium Silicate Block	.41 @ 200°	2.44 @ 200°	14.5	0	0	> 100 PSI	ambient to +1200	
Foamglas Block	0.29	3.45	7.5	0	0	90 PSI	-450 to +900	
Perlite Block	.47 @ 100°	2.13 @ 100°	13	0	0	80 PSI	ambient to +1200	
Phenolic Foam Board	0.15	6.67	2.5	≤ 25	≤ 50	17.5-29 PSI	-290 to +250	
Polyisocyanurate Board 2.0#	0.19	5.26	2.05	≤ 25	≤ 450	25-30 PSI	-297 to +300	
Styrofoam Panel Core	0.20	5.0	1.5	5	165	20 PSI	max 165	
Thermax Board	0.153	6.5	2.0	≤ 25	≤ 450	25 PSI	-100 to +250	

Formulas for calculating R, C & U factors on flat surfaces

$$R = \frac{\text{Thickness}}{K}$$

$$C = \frac{K}{\text{Thickness}}$$

Actual pipe covering R values must be calculated with equivalent thickness calculation

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