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# **DISTRIBUTOR / FABRICATOR**

## **INSULATION SYSTEMS FOR:**

- **INDUSTRIAL**
- **COMMERCIAL**
- **HVAC**
- **REFRIGERATION**
- **OEM INDUSTRIES**



## Earthwool® 1000° Pipe Insulation

*with ECOSE® Technology*

Earthwool 1000° Pipe Insulation is a molded, one-piece insulation made from highly resilient, inorganic glass fibers bonded with ECOSE Technology.



## Earthwool® Insulation Board

*with ECOSE® Technology*

Earthwool Insulation Board is a versatile product for thermal and acoustical applications made from highly resilient, inorganic glass fibers bonded with ECOSE Technology. It is available plain or with a factory-applied foil-scrim-kraft (FSK) facing or all-service jacket (ASJ+).



### APPLICATION

- Heating and air conditioning ducts
- Power and process equipment
- Boiler and stack installations
- Metal and masonry walls
- Wall and roof panel systems
- Curtain wall assemblies
- Cavity walls

## Atmosphere™ Duct Wrap

*with ECOSE® Technology*

Atmosphere Duct Wrap is a thermal and acoustical insulation blanket made from highly resilient, inorganic fiberglass bonded by ECOSE Technology. It is available unfaced, with a foil-scrimkraft (FSK) jacket and with a white metalized polypropylene-scrim-kraft (PSK) jacket. Vapor retarders provide a 2" (51 mm) staple flange on one edge, and the factory-applied facing assures uniform quality.



### APPLICATION

- External insulation on commercial or residential heating or air conditioning ducts
- Suitable for the exterior of rectangular or round sheet metal ducts and spaces where temperature and condensation must be controlled

## Atmosphere™ Duct Liner

*with ECOSE® Technology*

Knauf Insulation Atmosphere Duct Liner is a flexible, mat-faced insulation bonded with ECOSE Technology. It is faced with a tightly bonded mat to give the airstream a smooth, tough surface, resisting damage during installation and operation. The encapsulant edge coating eliminates airstream flaring.



### APPLICATION

Specifically designed as an interior insulation material for sheet metal ducts used in heating, ventilating and air conditioning. Provides an optimum combination of efficient sound absorption, low thermal conductivity and minimal airstream surface friction.



## Industrial / Commercial Insulation

### Earthwool® Pipe & Tank Insulation

with ECOSE® Technology



Earthwool Pipe and Tank Insulation with ECOSE Technology is a semi-rigid fiberglass board in roll form faced with a factory applied FSK or ASJ+ vapor retarder or a glass mat facing. The fiberglass is adhered perpendicular to the jacketing, for flexibility, compression strength, and easy installation.

#### APPLICATION

- Tanks, vessels and large-diameter pipes
- Any curved or irregular surfaces that require finished characteristics of rigid fiberglass insulation

### KwikFlex® Pipe & Tank Insulation

KwikFlex Pipe and Tank Insulation is a 48" wide semi-rigid fiberglass blanket in roll form. It is available faced with a factory applied ASJ, FSK or PSK vapor retarder jacket. The fiberglass orientation provides excellent compressive strength while maintaining flexibility for ease of installation.



#### APPLICATION

- Tanks, vessels and large-diameter (greater than 10") pipes
- Any curved or irregular surfaces that require finished characteristics of rigid fiberglass insulation

### Elevated Temperature Board 1000°

with ECOSE® Technology



Elevated Temperature Board 1000° is a lightweight, semi-rigid, boardlike insulation made from highly resilient, inorganic glass fibers bonded with ECOSE Technology.

#### APPLICATION

- Boiler walls
- Hot precipitators
- Hot ductwork
- Cylindrical tanks
- Prefabricated panel systems towers
- Stacks
- Industrial ovens

### Elevated Temperature Blanket 1000°

with ECOSE® Technology



Elevated Temperature Blanket 1000° is a lightweight, thermal insulation blanket made from highly resilient, inorganic glass fibers bonded with ECOSE Technology.

#### APPLICATION

- Industrial heating equipment to 1000° F (538° C) such as industrial furnaces and marine applications
- Applications where lighter-weight insulation or flexible high-temperature insulations are needed for curved and irregular surfaces

## Standard Fitting Covers



Short Radius 90°  
Elbow Cover



Short Radius 45°  
Elbow Cover



Tee/Valve Cover



End Cap Cover



Long Radius 90°  
Elbow Cover (LR-90)

## Mechanical Grooved Fittings



Mechanical Grooved SR-90°  
Elbow Cover "V" Series (V-90)



Mechanical Grooved SR-45°  
Elbow Cover "V" Series (V-45)



Mechanical Grooved  
Tee Cover "V" Series (V-TEE)



Mechanical Grooved  
Coupling Cover (G-CPLG)

## Specialty Fitting Covers



Line Flange Cover (LFC)



Roof Drain Sump Cover (RDS)



Standard P-Trap Cover



Strainer Lateral Y-45° Cover

## PVC Jacket

Proto jacketing can be used indoors or outdoors. It stays white, with exceptional outdoor weathering. It is the choice for food and drug plants and the petrochemical industry. It can be welded shut for use in food plants. It can be ordered in thicknesses from .010 mil. to .040 mil. and in 35 1/2" or 48" lengths (depending on mil thickness and type of material). Flat sheet and pre-curved lengths (with or without tape) are also available.



Cut & Curl LOSMOKE



Standard LOSMOKE Rolls



PVC Losmoke sheets

## Accessories



White Stainless Steel Tacks



White & Clear PVC  
Liquid Adhesive



Adhesive Gun





Aeroflex USA, Inc. manufactures and supplies Aerocel insulation to all of North America from its headquarters and manufacturing campus in Sweetwater, Tennessee, located just south of Knoxville. Building owners count on our products to help them conserve energy, support indoor air quality, and protect expensive mechanical systems for commercial and residential applications. We've built a reputation for producing high-quality products and have combined this with an outstanding, responsive customer service team.

Aeroflex USA manufactures the Aerocel® brand of EPDM (ethylene propylene diene monomer) elastomeric closed cell insulation for HVAC piping, ductwork & equipment, refrigeration and plumbing systems.



**Aerocel® AC Unslit Tube**



**Aerocel® AC Sheet & Roll**



**Aerocel® Stay-Seal® with Protape® SSPT™**



#### **Aerofix®**

Light-weight, rigid pipe supports, pre-insulated with closed-cell EPDM foam rubber and encased with zero-perm EPDM polymer membrane. Includes built-in pressure sensitive Protape® closure system.



#### **Protape®**

EPDM-based, self-adhering rubber tape for sealing butt joints and termination points.



#### **AeroFit™**

Pre-fabricated fitting insulators made of closed-cell EPDM rubber for fast installation on hot/cold-water and refrigerant piping.



#### **Aeroflex Adhesives**

Specially formulated contact adhesives for Aerocel EPDM insulations.

## **Benefits**

- ✓ Aerocel non-polar structure repels water at the molecular level to effectively control condensation & energy loss (EA)
- ✓ Aerocel insulation products are GREENGUARD Gold Certified as low-emitting materials (EQ)
- ✓ Aeroseal LVOC™ Black Adhesive passes California Specification 01350 as a low-VOC emitting material and SCAQMD Rule 1168 for VOC content (EQ)
- ✓ Aerocel is naturally microbial-resistant (EQ)
- ✓ Aerocel is fiber-free (EQ)
- ✓ Aerocel attenuates sound at specific frequencies as a duct liner and wrap (EQ)
- ✓ Aerocel is naturally UV-resistant
- ✓ Aerocel minimizes the use of flame retardants known to be harmful to the environment and human health (EQ)
- ✓ Aerocel is designed to last the life of a building mechanical system when properly specified and installed
- ✓ Aerocel can contribute to LEED (EQ) Credit Thermal Comfort – to promote occupant's productivity, comfort, well-being and communication.



## Rockwool Industrial Insulation:

### ProRox® SL 960<sup>NA</sup>



ProRox® SL 960NA is a rigid mineral wool (stone wool) insulation board for high temperature industrial applications subject to light mechanical loads.

### ProRox® MA 960<sup>NA</sup>

ENERWRAP® MA 960<sup>NA</sup>



ProRox® MA 960NA is a rolled and faced mineral wool (stone wool) insulation wrap/mat designed for high temperature industrial applications where flexibility is required. Product is ideal for large diameter piping, vessels, ducts and equipment subject to light mechanical loads.

#### Other Rockwool Industrial Products:

ProRox® MA 960<sup>NA</sup>  
ProRox® PS 960  
ProRox® PS 980  
ProRox® SL 920<sup>NA</sup>  
ProRox® SL 930<sup>NA</sup>  
ProRox® SL 940<sup>NA</sup>  
ProRox® SL 960<sup>NA</sup>  
ProRox® SL 540<sup>NA</sup>  
ProRox® SL 560<sup>NA</sup>  
ProRox® SL 590<sup>NA</sup>

ProRox® SL 430<sup>NA</sup>  
ProRox® SL 450<sup>NA</sup>  
ProRox® SL 460<sup>NA</sup>  
ProRox® SL 760<sup>NA</sup>  
ProRox® FSL 920<sup>NA</sup>  
ProRox® FSL 930<sup>NA</sup>  
ProRox® FSL 940<sup>NA</sup>  
ProRox® FSL 960<sup>NA</sup>  
ProRox® MA 930<sup>NA</sup>  
ProRox® MA 940<sup>NA</sup>

## Rockwool Commercial Insulation:

### Cavityrock®



ROCKWOOL Cavityrock® semi-rigid stone wool insulation board available in mono and dual density is designed for exterior cavity wall and rainscreen applications. Compatible with numerous cladding attachment systems, Cavityrock® is a durable solution with non-combustible characteristics meaning that the insulation will not develop toxic smoke or promote flame spread even when directly exposed to fire.

#### Other Rockwool Commercial Products:

##### Exterior continuous insulation:

ROCKWOOL Cavityrock®  
ROCKWOOL Comfortboard® 80  
ROCKWOOL Comfortboard® 110

##### Exterior wall -

##### Batt insulation for Steel/Wood frame construction:

ROCKWOOL Comfortbatt®

##### Curtain wall systems:

ROCKWOOL Curtainrock® 40  
ROCKWOOL Curtainrock® 60  
ROCKWOOL Curtainrock® 80

##### Multi-purpose:

ROCKWOOL Rockboard®  
ROCKWOOL Rockboard® 60

##### Safing:

ROCKWOOL ROXUL Safe™  
ROCKWOOL ROXUL Safe™ 45  
ROCKWOOL ROXUL Safe™ 55  
ROCKWOOL ROXUL Safe™ 65

##### Acoustical fire batt:

ROCKWOOL AFB® evo  
ROCKWOOL AFB®



## PlenumWrap®+ Plastic Pipe and Cable System



Duct Product	Unit	Size	Unit
PlenumWrap+	Roll	1/2" x 24" x 50'	1
PlenumWrap+	Roll	1/2" x 48" x 25'	2



## FireMaster FastWrap® XL



Product	Unit	Size	Units/Ctn.	Wt./Ctn.
FastWrap XL	Roll	1-1/2" x 24" x 25'	1	37.5 lbs.
FastWrap XL	Roll	1-1/2" x 48" x 25'	1	75 lbs.

## Superior installation methods!



- Less space
- Less labor
- Less material
- Convenient joint installation
- Professional appearance

### Optimized grease duct enclosure system

- Butt joints, all seams, both layers staggered seam across duct no 3" overlaps
- Contractor friendly transverse butt joint location
- Maximum 3" thickness along all surfaces of the duct
- UL listed for rectangular and round ducts
- UL listed liquid tight, single layer FastDoor XL for duct access







### 3M™ Venture Tape™ Film Faced ASJ Tape

3M™ Venture Tape™ Film Faced ASJ Tape 106FXP is a flexible, next generation white polypropylene/core/scrim/foil laminate facing coated with one of our 3M™ proprietary adhesives specifically formulated to adhere to polypropylene facings in both cold and hot humid temperatures. This adhesive also contains mold inhibiting agents to help prevent corrosion under the insulation.

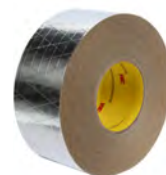


- Tough, flexible vapor seal on ductboard and pipe insulation butt joints
- Polypropylene film facing adds durability in a range of temps and environments
- Conforms well to curved or irregular surfaces
- Cold weather acrylic adhesive is formulated for polypropylene surfaces
- Easy to install on site without special tools or application methods
- Meets ASTM C1136, Type I, II, III, IV

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### 3M™ Venture Tape™ FSK Facing Tape

3M™ Venture Tape™ FSK Facing Tape 1525CW matches FSK faced insulation board and duct. It is a foil/scrim/kraft (FSK) laminated taped coated with a pressure sensitive, cold weather solvent acrylic adhesive. This tape combines quick stick at normal temperatures with superior low temperature performance. It conforms well to fibrous ductboard and blankets.



- Foil, scrim and kraft laminate backing for use on fibrous and sheet metal ducts
- Cold weather acrylic adhesive is specifically designed for cold weather conditions
- High puncture and tear resistance ensures long life and durability in a variety of applications and conditions
- Flexible backing conforms well to curved or irregular surfaces
- Easy to install on site without special tools or application methods

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### 3M™ Venture Tape™ Aluminum Foil Tape

3M™ Venture Tape™ Aluminum Foil Tape 1520CW features a nominal 1.8 mil aluminum foil coated with pressure sensitive, cold weather acrylic adhesive. This tape combines flexible foil for irregularly-shaped applications and excellent low temperature performance. It conforms to fibrous ductboard and sheet metal ducts and works well in general-purpose heat shielding and light reflecting applications.



- Multi-purpose foil tape for a variety of applications
- Nominal 1.8 mil aluminum foil is excellent for use on fibrous and sheet metal ducts
- Cold weather acrylic adhesive is specifically designed for adhesion in temps as low as -10°F/23°C
- Flexible foil conforms well to curved or irregular surfaces
- Hand tearable and easy to install on site without special tools or application methods
- Features an easy release liner

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### 3M™ VentureClad™ Insulation Jacketing Tape

3M™ VentureClad™ Insulation Jacketing Tape 1577CW-E is an all-weather option for various jacketing applications. It offers superior resistance to weathering, mold, UV and extreme environmental conditions. This silver aluminum multi-layered laminate tape is designed to provide zero permeability and act as a vapor barrier for insulation cladding and jacketing applications.



- Zero permeability provides an absolute vapor barrier for sealing applications
- Cold weather acrylic adhesive applies easily at temperatures as cold as -10°F/-23°C
- 10-year 3M warranty when applied per 3M installation guidelines
- High puncture and tear resistance ensure longevity and durability in a variety of applications and environmental conditions
- Flexible backing conforms to irregular and curved surfaces
- Easy to cut and install on-site without special tools or application methods

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### 3M™ Selfwound PVC Tape

3M™ Venture Tape™ Selfwound PVC Tape 1506R is a 6 mil vinyl tape with an aggressive rubber adhesive for sealing interior PVC pipe jackets and fittings. The backing delivers excellent elongation for conformability to irregular surfaces and resists moisture, abrasion and chemicals. The tape is PVC color-matched for a uniform appearance. Linerless and self-wound for easy application.



- 6 mil vinyl tape designed specifically for sealing and seaming PVC jacketing
- Vinyl backing resists chemicals and moisture
- 150% elongation – excellent for consistent adhesion in corners and irregular surfaces
- Aggressive rubber adhesive formulated for bonding to PVC
- Linerless and self-wound for easy application





- Removable Insulation Covers •
- Process Temperature Maintenance •
- Personnel Protection •
- Noise Attenuation •
- Heat Loss •



Pumps • Strainers • Valves • Man Ways • Expansion Joints  
Flanges • Manifolds • Heat Exchangers  
Control Valves • Instrumentation



**can custom sew many specialty products.**

**Products such as but not limited to:**

Noise Attenuation Covers  
Protective Bellows  
Furnace Seals  
Flange Shields

Expansion Joints  
Splash Curtains  
Gaskets



Auburn Manufacturing, Inc (AMI) is the industry leader in the manufacture of advanced textiles for extreme heat environments offering hundreds of standard and specialty textiles capable of withstanding temperatures from 225° to 3000°F. We make flexible barriers, modular insulation kits, reflective aluminized fabrics and fabrics enhanced with coatings to resist oil, moisture, and abrasion.



**AMI's products are engineered for MRO Applications:**

Welding Safety Fabrics – curtains, blankets, pads

Pipe and Hose Coverings – cloth, tapes, tubing

Gaskets/Seals – ropes, tapes

Protective Apparel – industrial safety fabrics, aluminized and laminated fabrics



# Vimasco Corporation

## Insulation Coatings

### WC-7 Vinyl Acrylic Coating



- WC-7 is a heavy-bodied, water-based, vinylacrylic, general-purpose mastic, for use over all types of insulation systems, both interior and exterior. It can also be applied over masonry surfaces and a variety of other substrates. WC-7 is a breathing type mastic and is formulated to provide maximum weather protection at an economical price.
- WC-7 is resistant to fire, alkali, asphalts, salts, and mild acids and solvents. When properly applied and maintained, it will provide years of service life in a variety of environments. In most applications, the recommended dried film thickness for WC-7 is 1/16".

### 739 BrushSeal



- 739 BrushSeal™ Coating is an economical but effective vapor-barrier coating for use over all types of thermal insulation on cold systems. It is specifically formulated for optimal use on systems operating below ambient temperature but not below 32° F, but it can be used on colder systems as long as adequate insulation thickness is present. It effectively retards the passage of water vapor on applications such as chilled water lines, air conditioning ducts, or other pipes or vessels within these temperature parameters. Colder systems than the above are better protected with Vimasco's 749 VaporBlok™ which has a lower perm rating and is designed for heavy-duty applications. On all cold systems, vapor barrier coatings will only perform well when the proper thickness of insulation is used.
- 739 BrushSeal™ is a safe, water-based product which has a mild latex type odor. It is fire resistive, meeting 25/50 flame and smoke requirements, and maintains its white color after application. It can be used indoors or outdoors though it should be noted that when exposed to UV light its color will dull slightly. Being a water-based product, 739 should not be applied on flat surfaces where it will be subjected to ponded water.



# Proud Supplier of DMI Companies HVAC Brands

*DMI One Source Infinite Solutions*



Ductmate designs and produces a myriad of HVAC accessories and is committed to helping you define your HVAC needs. Ductmate believes making the best products is only half the job; supplying customers with technical support to help with the installation and selection of HVAC products and accessories is the other half. Ductmate's Engineering Department is always ready to review your requirements, ensuring the solutions we recommend comply with current HVAC industry standards.

## Product Lines

- Duct Connectors
- Insulation
- Access Doors
- Sealants, Adhesives, & Mastics
- Hangers & Reinforcements
- T.D.C® & T.D.F® Components
- Vane Systems
- Time Saving Tools & Accessories

Visit [ductmate.com](http://ductmate.com) for more information

Aire Technologies, Inc is a sheet metal workers union manufacturer of air management and UL listed life safety products for integration into your HVAC system design, fabrication, or installation. You can expect unrivaled engineering, superior manufacturing quality, delivery expertise, and technical sales support along with a commitment to excellence, and value upon which we have built our reputation in the industry.

## Product Lines

- Fire Dampers
- Combination Fire/Smoke Dampers
- Smoke Dampers
- Air Control Dampers
- Ceiling Radiation Dampers
- True Truss™ Enclosures
- Sleeves, Links, & Other Damper Accessories

Visit [airetechnologies.com](http://airetechnologies.com) for more information



GSI is a manufacturer of commercial pipe and fittings and strives to be the market leader in product consistency, service, and innovation for low-pressure duct systems. GSI pipe and fittings are designed to work together as a factory sealed system. Nearly all GSI's products require no external sealant and have been engineered and tested to surpass SMACNA Class 3 Leakage Standards. GSI products are made in America and Yellow Label Union manufacturing is standard on all pipe and fittings. For high quality, engineered, and cost effective low-pressure duct systems, look no further than GSI.

## Product Lines

- Factory Sealed Snap-Lock Pipe
- Unsealed Snap-Lock Pipe
- High Efficiency Takeoffs
- Conicals
- Starting Collars
- Couplers
- Tee Joints
- In-Line Sleeve Dampers
- Adjustable Elbows
- Reducers & End Caps

Visit [greenseamind.com](http://greenseamind.com) for more information