

# Isover Technical Insulation

Providing innovative solutions  
for all your HVAC needs

**ISOVER**  
SAINT-GOBAIN

Your environment. It's the nature of our business.

# Isover Technical Insulation

## Providing innovative solutions for all your HVAC needs



Our focus on the HVAC, Marine and OEM markets; world leading technology; and innovative approach to product development has enabled us to provide a comprehensive range of product solutions and systems.

Our products and systems combine imagination with in-depth knowledge to provide solutions that address the three key performance requirements of these demanding markets;

- Thermal insulation for effective energy saving.
- Acoustic insulation for protection from equipment noise.
- Fire insulation for protection of property and lives.

Whether it's a school, hospital, factory, office or home, our range of HVAC products will provide the most efficient insulation solutions for pipe and ductwork, ensuring the building environment is thermally protected, has minimal noise disruption and is fire safe.

***Just imagine what Isover can do for you.***

For more information on our range of HVAC solutions, guidance on selecting the right thickness of insulation for the job or installation details please visit: [www.isover.co.uk](http://www.isover.co.uk)  
Email: [techinsulation.co.uk](mailto:techinsulation.co.uk)  
Call: 0115 969 8010

For technical assistance please call our technical helpline: 01928 796 180

**Image right:**  
Isover's new generation mineral wool **ULTIMATE™** Protect for fire protection of metal ductwork

**Image far right:**  
Isover's innovative pre-insulated ductwork system **CLIMAVÉR®**



# Insulation of pipework

## Isover Foil Faced Pipe Sections



### Isover CLIMPIPE Section Alu2 Easy (From July 2012)

Strong lightweight preformed 'snap-on' sections, with a reinforced aluminium foil facing and a self adhesive overlap providing an inherent vapour barrier and fast, neat installation.

Isover offers a range of foil faced pipe sections in a variety of thicknesses (20-60mm) and diameters from 15-273mm to accommodate a variety of pipe diameters.

Please refer to the Isover Yellow Guide to Technical Insulation or visit [www.isover.co.uk](http://www.isover.co.uk) to view our full range of pipe sections.

### Product benefits

- High levels of thermal and acoustic performance – helps meet all UK thermal Building Regulations and offers energy savings. Suitable for use under the Enhanced Capital Allowance Scheme for Pipework insulation.
- These high quality mineral wool sections offer consistent thickness around the bore, providing excellent compressive resistance and a consistent even finish, ideal for use with external coverings.
- Allows fast installation:
  - 1.2m pipe sections compared to traditional 1m section, minimising the number of joints required and therefore reducing thermal bridging.
  - Sections incorporate a self-adhesive overlap, providing a quick and effective vapour control finish.
  - No need to bore-coat as Isover sections are non-acidic and will not, therefore, accelerate corrosion.
- Fire safe offering a Euroclass A2 fire rating; Class 0 Compliance.



Available in nominal insulation thicknesses 20 – 60mm and inner diameters of 15 – 273mm



Self-adhesive overlap

# Insulation of metal ductwork

## Isover Duct Wraps



### Isover CLIMCOVER Roll Alu1

Formerly: Isover High Performance Duct Wrap

Ideal for use on all shapes of ductwork, this strong, flexible and easy to handle glass mineral wool roll incorporates a factory applied aluminium foil facing, offering an inherent vapour barrier whilst reducing installation time and costs.



Isover CLIMCOVER Roll Alu1 available in thicknesses of 25, 40 and 50mm

### Isover CLIMCOVER Roll Alu1 Strong

With increased compression resistance offering a tight, high quality finish and superior parting strength for use with fixings when applying external coatings to ductwork, this strong and flexible glass mineral wool is ideal for insulation of odd shaped ductwork.



Isover CLIMCOVER Roll Alu1 Strong available in thicknesses of 25, 40 and 50mm

### Product benefits

- High levels of thermal and acoustic performance – helps meet all UK thermal Building Regulations and offers energy savings.
- These high quality purpose designed glass mineral wool rolls offer consistent thickness recovery, with no soft edges and excellent compressive and parting strength. These products will not sag over time in normal applications, offering a professional finish and can be used with external coatings.
- The mechanical strength of the products assists with cutting and handling, reducing installation time and costs.
- Offering weight savings, compared to typical competitor roll products, the Isover CLIMCOVER Roll range provides quick and easy installation.
- Non-combustible Euroclass A1 fire rating; Class 0 Compliance. Isover glass mineral wool can pass the most stringent IMO certification for smoke and toxicity.



Isover CLIMCOVER Roll



Isover CLIMCOVER Roll

# Insulation of metal ductwork

## Isover Duct Slabs



### Isover CLIMCOVER Slab Alu1

Ideal for the insulation of rectangular metal ductwork, these robust, rigid glass mineral wool slabs provide consistent density and a uniform shape making them easy to handle, cut and fit; whilst reducing installation time and costs. Suitable for use with subsequent covering.

### Isover CLIMCOVER Slab Alu1 Standard

For traditional thermal insulation specifications, this duct slab is for use at all levels, inside or outside a building with subsequent covering.

### Product benefits

- High levels of thermal and acoustic performance – helps meet all UK thermal Building Regulations and offers energy savings.
- These high quality purpose designed rigid glass mineral wool slabs provide a uniform shape, good thickness recovery with no soft edges and excellent compressive resistance providing a professional finish and can be used with external covering.
- Easy and quick to cut, and with factory applied aluminium foil facing, Isover CLIMCOVER slabs offer fast installation.
- Non-combustible Euroclass A1 fire rating; Class 0 Compliance. Isover glass mineral wool can pass the most stringent IMO certification for smoke and toxicity.



Isover CLIMCOVER Slab Alu1 available in thicknesses of 40 and 50mm



Isover CLIMCOVER Slab Alu1 Standard available in thicknesses of 40 and 50mm



Isover CLIMCOVER slab installation



# Fire protection insulation

## Isover **ULTIMATE™** Protect



The Isover **ULTIMATE™** Protect product range, also known as U Protect, combines all the advantages of conventional thermal and acoustic insulation with increased fire protection.

The range consists of slabs and wired mats, which offer up to 2 hours fire protection for both rectangular and circular ductwork systems.

### Product benefits

- Increased fire protection performance meeting BS 476: Part 24 for ventilation ductwork.
- Totally non-combustible, top level reaction to fire performance, offering Euroclass A1 fire rating; Class 0 Compliance.
- Up to 65% lighter than traditional stone wool systems making it easier to handle.
- Easy to cut with a standard insulator's knife. Off-cuts can also be used, minimising waste on site.
- Less glue required, glue is only needed at wall penetrations allowing quicker installation.
- In most cases there is no need to insulate drop rods separately.
- Cost savings compared to traditional solutions.



Isover **ULTIMATE™** Protect Slab available in thicknesses of 60, 80, 90 and 100mm  
Isover **ULTIMATE™** Protect Wired Mat available in thicknesses of 75mm and 120mm

# Pre-insulated ductwork system

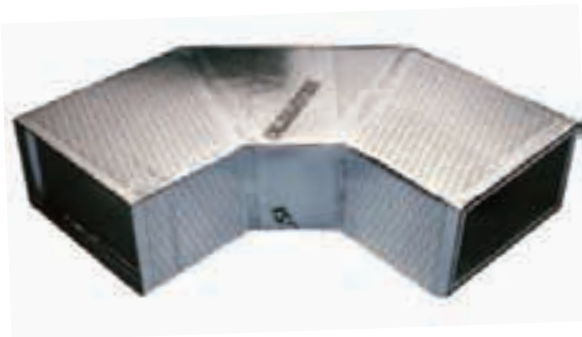
## Isover **CLIMAVER**<sup>®</sup>



Isover **CLIMAVER**<sup>®</sup> is a high density glass mineral wool board, faced on both sides. This system offers excellent thermal and acoustic performance in a fire safe system and is a more economical and efficient all in one alternative to conventional 'sheet metal and insulation' ductwork.

### Product benefits

- Pre-insulated ductwork system providing insulation and ductwork combined, no need for secondary lagging.
- Can be fabricated on or off-site, highly adaptable to on-site changes.
- Lightweight – approximately 7kg per sheet, up to 4.5 times lighter than sheet metal solutions.
- Precision-cut perfect joints, offering fast assembly and installation with less wastage.
- Durable – not easily damaged in storage, transportation or installation.
- Offers excellent levels of thermal performance and significant energy savings.
- Provides inherent acoustic performance, unlike foam plastic ducts. Isover **CLIMAVER**<sup>®</sup> Neto also offers a superior sound attenuation than that of sheet metal. Suitable for all acoustic applications and plenum boxes.



Isover **CLIMAVER**<sup>®</sup> Neto



Isover **CLIMAVER**<sup>®</sup> Fabrication



★ Less Materials

★ Less Energy

★ Less Emissions

[www.3pointplan.co.uk](http://www.3pointplan.co.uk)

[www.isover.co.uk](http://www.isover.co.uk)

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