



# A Complete Range of Pipework and Ductwork Insulation

**ISO**ver  
SAINT-GOBAIN



# ISOVER SpecHub

REGISTER TODAY!

The home of free residential and commercial insulation, airtightness & dry lining technical documents



Access exclusive ISOVER CAD Drawings

Access exclusive ISOVER BIM files

Book on-site demonstrations and consultations

Track and update your projects, as well as find and keep relevant documentation safe and secure for each project

Use our online calculator tools to assess U Values, dB reduction

[www.isover.ie/spechub](http://www.isover.ie/spechub)

**ISOVER**  
SAINT-GOBAIN  
Sustainable insulation solutions

---

# Contents

<b>ABOUT ISOVER .....</b>	<b>5</b>
<b>ISOVER HVAC SOLUTIONS .....</b>	<b>6</b>
<b>WHY INSULATE PIPE AND DUCTWORK?.....</b>	<b>7</b>
<b>BUILDING REGULATIONS AND STANDARDS .....</b>	<b>8</b>
<b>WHY USE ISOVER GLASS MINERAL WOOL INSULATION? .....</b>	<b>9</b>
<b>EXTERNAL INSULATION OF METAL DUCTWORK.....</b>	<b>10</b>
<b>INSULATION OF PIPEWORK.....</b>	<b>12</b>
<b>INTERNAL INSULATION OF METAL DUCTWORK.....</b>	<b>13</b>



TECHNICAL ACADEMY

## NEED TRAINING ON ISOVER SYSTEMS?

With purpose built facilities and dedicated resources, Saint-Gobain offers a wide range of FREE training courses to upskill and educate all within the construction industry.



A mix of interactive training, live demo and theory courses include:

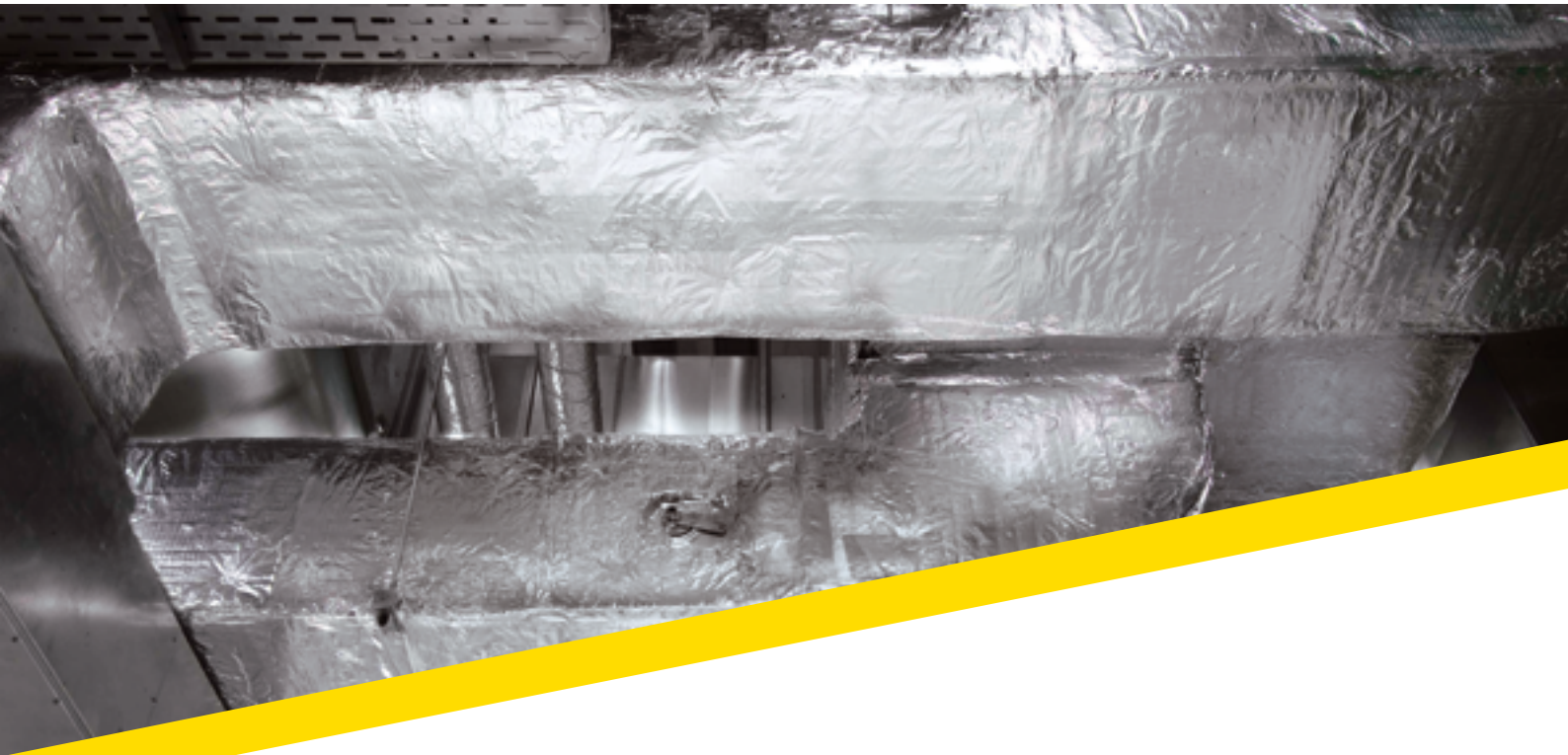
- Airtightness and moisture management
- Acoustics
- Dry lining systems for installers and supervisors
- Fire performance in buildings

- NEW**
- HVAC insulation solutions
  - Renovation solutions
  - CPD's
- and much more

Learn more and register here:

[www.saint-gobain.ie/technical-academy](http://www.saint-gobain.ie/technical-academy)

**ISOVER**  
SAINT-GOBAIN



## About ISOVER

ISOVER is part of the Saint-Gobain group, leader in the design, production and distribution of materials for construction, industrial and consumer markets. ISOVER is the specialist in insulation within the group.

With a presence in over 60 countries and a workforce of almost 200,000 employees, the group's global reach allows ISOVER to draw on unrivalled technological and financial resources to meet the changing needs of customers and communities in the 21st century.

Our technical excellence and global leadership in mineral wool insulation is recognized worldwide, but it is only part of the story. Our success is the result of the vision, values and culture of ISOVER teams on a global scale, a strong belief in the importance of developing products to create a better, more comfortable world.

Please contact us for more information  
on this and other applications:



Free Phone (ROI): 1800 744480  
Free Phone (NI): 0845 3990159  
Email: [tech.ie@saint-gobain.com](mailto:tech.ie@saint-gobain.com)

### Services and Support

As well as offering a comprehensive range of products, we can provide specialist technical expertise and resources. From product specification to promoting best practice installation, we are committed to working closely with our customers to help them get the most out of our products and services.

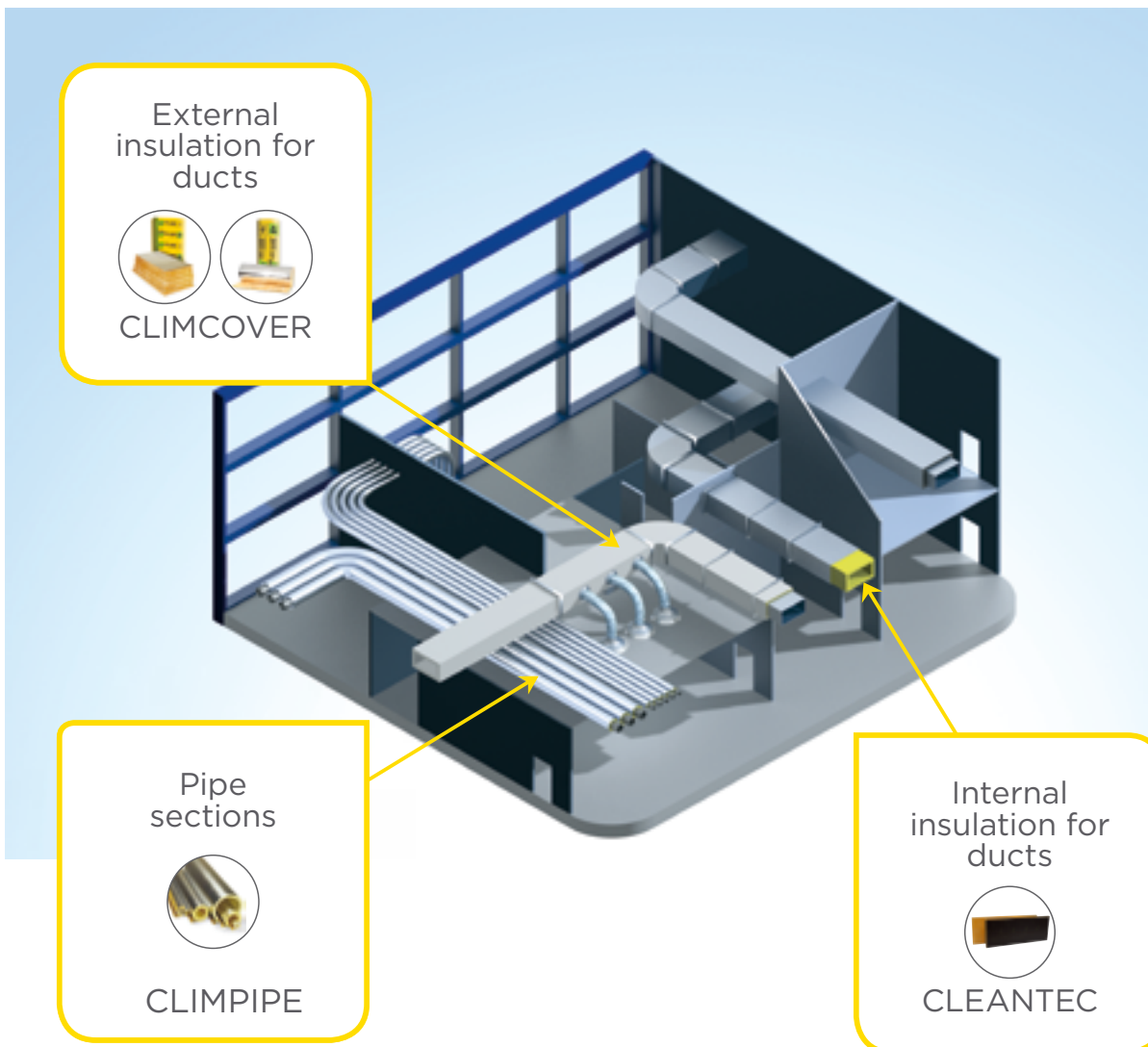
---

# ISOVER HVAC SOLUTIONS

Innovation and technical leadership have ensured Saint-Gobain ISOVER has remained at the forefront of the HVAC market worldwide.

The main objective of HVAC installations is to provide comfort (thermal, acoustic and ventilation comfort) for occupants of commercial dwellings, working spaces and residential buildings. Comfort, in this sense comprises of temperature control, satisfactory indoor air quality and adequate noise levels. This can be particularly important in the design of medium to large commercial and office buildings where these parameters have to be carefully controlled.

Our range of HVAC products will work to provide the most efficient insulation solutions for pipework and ductwork, ensuring the building environment is thermally protected, has minimal noise disruption from equipment noise and is fire safe.





# Why insulate pipe and ductwork?

There are several reasons for applying insulation to pipework and ductwork, whether it is to save energy through reducing heat loss, temperature control, acoustics or personnel protection.

## Hot surfaces

- **Fuel conservation** - To reduce heat loss from pipework and ductwork. All hot pipework will normally need insulating. Operating temperatures are typically 60°C for domestic and non-domestic applications. Ductwork typically requires insulation at operating temperatures above 0°C.
- **Temperature control** - To prevent temperatures falling below a certain pre-determined level and in turn conserving energy.
- **Personnel protection** - To prevent injuries to operators such as burns during the normal course of their duties, in locations where they could come into contact with surfaces exceeding 50°C.

## Cold surfaces

- **Reduce the rate of heat gain.**
- **Prevent surface condensation** - If pipework and ductwork are not adequately insulated then condensation can form on the surface, this could lead to equipment damage such as corrosion.

## Against frost

Insulation can help delay or avoid freezing\* if designed and installed correctly.

\*With additional trace heating.

---

# Building Regulations and Standards

ISOVER guarantees high quality, certified systems for the protection and future-proofing of buildings, providing certified solutions across mineral wool, dry-lining, airtightness & moisture control.



**Our commitment to quality:**

We hold a Quality Management Standard BS EN ISO 9001: 2008 for manufacturing. All products are manufactured in accordance with the CE marking requirements under the Construction Products Regulation, and to product standard: BS EN 13162: 2008 and BS EN 13172 Evaluation of Conformity.



Our commitment to the environment: ISOVER is an ISO 14001:2004



(Environmental Management System) accredited manufacturing facility. This accreditation ensures that all products are manufactured to the stringent standards set out by this management system.

---

**CE Marking:**



All ISOVER products are fully CE Marked assuring you and your customer, consistent product quality and performance. The letters “CE” are the abbreviation of French phrase “Conformité Européene” which literally means “European Conformity.” CE marking is a manufacturer’s declaration that the product complies with the essential requirements of the relevant European health, safety and environmental protection legislation, regarding their products safety and performance.

The legislation also means all CE marked products are made with tight manufacturing parameters to guarantee performance within their specific application.

---



**BS 5422:2009:** ISOVER HVAC range complies with the BS 5422:2009 which specifies methods for thermal insulating materials for pipes, tanks, vessels and ductwork. ISOVER HVAC range also meet EN 14303: Thermal insulation products for building equipment and industrial installations.

---

- ✓ Great performance
- ✓ Gentle to use & install
- ✓ Good for the environment



**Eurofins award:** The Eurofins award was made possible following the introduction of the latest in mineral wool manufacturing technology by ISOVER, called G3. This revolutionary technology allows us to introduce more natural ingredients to our processes, thus ISOVER insulation is even better than before in environmental terms.

---



**SpecSure Guarantee:**

We want you to build with confidence. That’s why we offer you SpecSure ~ our unique Lifetime Warranty on all ISOVER and Gyproc Saint-Gobain systems. SpecSure guarantees that our systems will perform and we stand over it!

---



**Eurofins Certification:** ISOVER’s G3 Touch insulation range has the highest award for indoor air quality – the Eurofins Indoor Air Comfort “Gold Standard” certificate.



## Why use ISOVER Glass Mineral Wool insulation?

At ISOVER, we focus on the unique thermal, acoustic and fire protection demands of the technical insulation market. Whether it's a school, hospital, factory, office or home, our range 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.

✓ Excellent Thermal Performance	Energy savings
✓ Easy and Quick to Install	Easy and quick to cut, lightweight to install which makes it easy to handle and apply
✓ Euroclass A Fire Rating	Non combustible - one of the safest materials available
✓ Durable with Consistent Density and Thickness	No soft edges and excellent compression resistance. Will not easily damage in storage, transportation or installation.
✓ Excellent Acoustic Performance	Substantially reduces noises and improves acoustic comfort
✓ High quality mineral wool	Performance will not deteriorate over time
✓ Recycled Natural Materials	G3 Touch mineral wool, soft and pleasant to use
✓ Environmentally Friendly	High indoor air quality & low carbon footprint at manufacture stage

# External Insulation of metal ductwork

## ISOVER CLIMCOVER Roll Alu2



CLIMCOVER Roll Alu2 is providing an efficient and economic thermal insulation for all shapes of metal ductwork.

This strong, flexible and easy to handle glass mineral wool roll incorporates a factory applied aluminium foil facing providing an inherent vapour barrier. Suitable for use with subsequent covering, suitable for low level installation and outside applications.



### Thermal performance

ISOVER CLIMCOVER Roll Alu2 complies with the BS 5422:2009 as well as EN 14303 and offers significant energy savings.



### Non-combustible

ISOVER CLIMCOVER Roll Alu2 has an A2 Euroclass fire rating and achieves the criteria for smoke generation and toxicity as given in the IMO Resolution MSC 61 (67).



### Protected planet

Manufactured from up to 86% recycled post-consumer glass that would otherwise go to landfill.



### Easy and Quick to Install

Easy and quick to cut, lightweight to install which makes it easy to handle and apply.



### Acoustic Performance

Noise levels from ducts can be greatly reduced with CLIMCOVER due to its excellent sound absorption and sound insulation properties.

## Product Specification

Product Code	Thickness (mm)	Width (mm)	Length (mm)	Pack area (m <sup>2</sup> )	Packs per pallet	Pallet area (m <sup>2</sup> )
5200625465	25	1200	18000	21.6	18	176.04
5200625467	40	1200	12000	14.4	18	129.60
5200625469	50	1200	9000	10.8	18	103.68

## Thermal Conductivity

Mean temp °C	10	40	50	100	120
Declared thermal conductivity (W/mK)	0.032	0.037	0.039	0.049	0.054



# External Insulation of metal ductwork

## ISOVER CLIMCOVER Slab Alu2

Ideal for thermal insulation of metal ducts at all levels inside a building.

This product's high density provides consistent thermal performance along the length of the duct and its uniform shape makes it easy to handle and install allowing a professional finish. Offering greater compressive strength, allowing subsequent covering, suitable for low level installation and outside applications.



### Thermal performance

ISOVER CLIMCOVER Slab Alu2 complies with the BS 5422:2009 as well as EN 14303 and offers significant energy savings.



### Non-combustible

ISOVER CLIMCOVER Slab Alu2 has an A2 Euroclass fire rating and achieves the criteria for smoke generation and toxicity as given in the IMO Resolution MSC 61 (67).



### Protected planet

Manufactured from up to 86% recycled post-consumer glass that would otherwise go to landfill.



### Easy and Quick to Install

Easy and quick to cut, lightweight to install which makes it easy to handle and apply.



### Acoustic Performance

Noise levels from ducts can be greatly reduced with CLIMCOVER due to its excellent sound absorption and sound insulation properties.

## Product Specification

Product Code	Thickness (mm)	Width (mm)	Length (mm)	Slabs per pack	Pack area (m <sup>2</sup> )	Packs per pallet	Pallet area (m <sup>2</sup> )
5200625471	40	600	1200	12	8.64	16	138.24
5200625473	50	600	1200	10	7.2	16	115.2

## Thermal Conductivity

Mean temp °C	10	40	50	100	120
Declared thermal conductivity (W/mK)	0.032	0.036	0.038	0.045	0.049

# Insulation of pipework



## ISOVER CLIMPIPE Section Alu2

Designed to provide thermal and acoustic insulation of pipework, ISOVER CLIMPIPE Sections are strong, lightweight pre-formed 'snap on' sections with a reinforced aluminium foil facing and a self-adhesive overlap to help ensure a strong vapour barrier.

Manufactured in 1.2m lengths these sections offer the opportunity for fewer joints than traditional 1m length competitor products, helping to reduce thermal bridging. The consistent density and concentricity of ISOVER sections provides consistent thermal performance along the length of the pipe.



### Thermal Performance

ISOVER foil faced CLIMPIPE Sections complies with the BS 5422:2009 as well as EN 14303 and offers significant energy savings.



### Acoustic Performance

Noise levels from pipework services can be greatly reduced with CLIMPIPE Sections Alu2 due to its excellent sound absorption and sound insulation properties.



### Protected planet

Manufactured from up to 86% recycled post-consumer glass that would otherwise go to landfill.



### Non-combustible

ISOVER CLIMPIPE Change to Sections have an A2 Euroclass fire rating. The aluminum foil facing achieves a Class 0 fire rating in accordance with Building Regulations.



### Mechanical resistance

ISOVER CLIMPIPE Sections have no soft edges and excellent compression resistance and is ideal for use with external weatherproof coverings.

## Product Specification - All ISOVER CLIMPIPE section are 1200mm in length

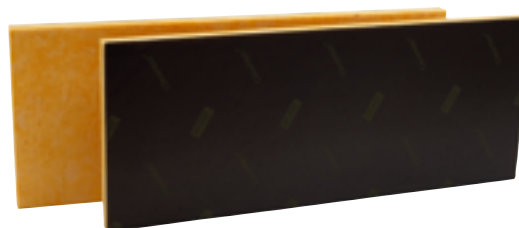
Nominal Insulation Thickness (mm)	Outer diameter of Pipe Section																	
	Inner diameter (mm)																	
	15	22	28	35	42	48	54	60	70	76	83	89	108	114	140	168	219	273
20 mm	✓	✓	✓	✓	✓	✓	✓	✓										
25 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
30 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
40 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
50 mm				✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓
60 mm										✓				✓	✓	✓		✓

## Thermal Conductivity

Mean temp °C	10	50	100	200
Declared thermal conductivity (W/mK)	0.033	0.036	0.043	0.063



# Internal Insulation of metal ductwork



## ISOVER CLEANTEC G35

ISOVER CLEANTEC is a strong glass mineral wool slab that offers significant energy savings. This product is a solution for insulation of metal air ducts, where insulation is installed inside the metal duct. ISOVER CLEANTEC G35 complies with the BS 5422:2009 as well as EN 14303.



### Thermal performance

CLEANTEC offers significant energy savings. The high density provides consistent thermal performance along the length of the duct.



### Acoustic performance

Due to the natural sound wave damping effect that glass mineral wool possesses, noise levels from ducts can be greatly reduced.



### Non-combustible

ISOVER CLEANTEC has an A2 Euroclass fire rating.



### Protected planet

Manufactured from up to 86% recycled post-consumer glass that would otherwise go to landfill.



### Mechanical resistance

ISOVER CLEANTEC have no soft edges and excellent compression resistance.

## Product Specification

Product Code	Thickness (mm)	Width (mm)	Length (mm)	Pack area (m <sup>2</sup> )
5200687875	100	1200	2000	28.8

## Thermal Conductivity

Mean temp °C	10	50	100	200
λ-value (W/m °C)	0.033	0.038	0.046	0.068



## Sustainable Insulation Solutions

HVAC Insulation Solutions



The complete range of pipework & ductwork insulation

Looking for a Product Datasheet?



View our documentation page

---

### Join the conversation



[ISOVERIreland](#)



[ISOVERIreland](#)



[ISOVERsaintgobainireland](#)



[ISOVER-ireland](#)

## NEED HELP? DO YOU HAVE A QUESTION?

Contact our technical team:

ROI: 1800 744 480

NI: 0845 399 0159

[tech.ie@saint-gobain.com](mailto:tech.ie@saint-gobain.com)





**ISOVER Ireland**

Unit 4, Kilcarbery Business Park,  
Nangor Road, Dublin 22  
Tel: +353 (0)1 6298400  
Email: [info@isover.ie](mailto:info@isover.ie)  
[www.isover.ie](http://www.isover.ie)

The technical information in this brochure corresponds to our present state of knowledge and experience at the date of printing (see imprint). No legal guarantee can be given, unless it has been explicitly agreed. The state of experience and knowledge is developing continuously. Please ensure that you always use the latest edition of this information. The described product applications do not take special circumstances in consideration. Please verify whether our products are appropriate for the specific application. For further information please contact our ISOVER sales offices. We deliver only according to our terms of trade and terms of delivery.

Contact details: For further information and contact details, please visit our website at: [www.isover.ie](http://www.isover.ie)