



The **ISOVER** insulation story.

Across continents the world over one name stands for excellence in insulation; ISOVER.

As the world's leading manufacturer and innovator in mineral wool insulation, our mission is simple; to create for our customers and end users safe, efficient and environmentally positive thermal, acoustic and fire safe solutions.

For over 40 years, ISOVER has pioneered and perfected the technologies that have set new standards in the building industry.

And today, when lower energy costs in manufacture and use are not just economically important but vital to the future well being of the entire planet, we're putting our knowledge and commitment to work to create a safer, cleaner more comfortable world for those who'll follow us.



Part of the Saint-Gobain group.

ISOVER is part of the Saint-Gobain group, a world-wide, world-renowned producer, processor and distributor of materials for industry.

With a presence in over 50 countries and a workforce numbering almost 200,000, the group's global reach allows us to draw on unrivalled financial and technological resources to meet the changing needs of customers and communities in the 21st century.

Our philosophy, our values, your benefit.

Already, ISOVER insulation warms and protects 1 in 3 homes in Europe and 1 in 5 in America.

A commitment to on-going research and development will see those figures rising still further.

But technical excellence and global leadership in mineral wool insulation is only part of the story. ISOVER's success is a result of the vision, values and culture of the ISOVER team on a global scale; a belief in the importance of developing products to create a better, more comfortable world; an enthusiasm for easier, faster, cleaner more efficient solutions to help you in your home and your business and a commitment to working with you as true end-to-end partners in design, specification and delivery.



Why Glass Mineral Wool Insulation?

Glass mineral wool is, quite simply, the most efficient, flexible, economical and environmentally friendly insulation product you can choose.

One of the best thermal and sound insulants known to man, it outperforms any other comparable material, reducing energy loss by as much as 25% through roof spaces and 35% through walls, whilst providing better all-round comfort through superior sound insulation and fire resistance. It repels moisture and because it contains nothing organic to support micro-organisms, it won't sustain rot, fungi or bacteria. ISOVER glasswool is extraordinarily durable. Yet with none of the inflexibility of denser mineral wool or plastic foams, it makes installation simple and flexible enough to fit into the most awkward corners for complete, all over cover, thus minimising cold bridging and air leakage.



Thermal performance

Heating costs in a building insulated throughout with glass mineral wool can be reduced by up to 60%.

That's not only good news for those responsible for paying the fuel bills. It is also comfortably within Government targets to help alleviate fuel poverty in the future. And as ever more challenging building regulations ask even more of modern insulation solutions, ISOVER will help you meet and exceed their demands with a full range of thermal insulation products and expert technical and specification advice.



Acoustic performance

Noise and noise pollution are areas in which regulations are becoming increasingly strict, with demand for improved levels of acoustic insulation for floors and party walls to increase comfort and quality of life for occupants.

Glass mineral wool, with its outstanding acoustic performance, is the perfect material for reducing the noise transmitted both through the structure of a building and also through its cavity wall spaces. For this reason glasswool is extensively referenced in national Building Regulations and Robust Details. Whether it's sound insulation for industry, commercial premises, public buildings or domestic applications, ISOVER has a product designed for the job and the expertise to help you get the most from it.



Fire performance

Because glass mineral wool is made from pure silica sand, it will not support combustion even in direct, prolonged contact with flames.

What's more, it emits no toxic fumes or smoke, the two biggest hazards to health and life in the event of a fire. Because of that, most ISOVER products carry one of the highest possible European fire ratings; Euroclass A1. This rating system is now written into the UK Building Regulations. It means you can specify or use ISOVER products knowing you're offering building occupants peace of mind and the very best protection from fire for years to come.



Performance on site

People have a word for the way glass mineral wool handles and performs on the job. They call it 'fitability'. Unlike conventional insulation products, it can be compressed to around an eighth of its original volume when packaged. Easier to load. Easier to transport. Easier to unload and store on site.

Even after months of compression, it will revert to its original volume in minutes. So it's ready to use almost as soon as it arrives on site. And its flexible, elastic and lightweight form means it can be applied easily, anywhere it's needed. In roof spaces. In wall voids. In the most awkward corners. Even in the highest of vertical applications. And in most applications, without the need for fixings. These characteristics mean that ISOVER glass wool is almost always the lowest installed cost acoustic and thermal insulant.



Environmental performance

Glass mineral wool is one of the most environmentally friendly, stable and sustainable insulants available. Its raw material is silica sand, the earth's most abundantly occurring natural material. And its impact on the environment in manufacture, use and disposal is minimal.

In addition, all ISOVER insulation contains around 80% recycled glass originating from used consumer packaging or industrial glass by-product that would normally be destined for landfill.

In addition, glass wool has a best in class 'A' summary rating in the BRE Green Guide to Specification. And in use, ISOVER products achieve full credit under Eco-Homes performance for zero ozone depletion and a Global Warming Potential (GWP) of less than 5.



ISOVER and the environment.



More important than anything else in the ISOVER corporate culture is our total commitment to sustainability and the environment.

Efficient thermal insulation, of course, plays a major role in worldwide efforts to conserve energy and reduce levels of greenhouse gases. Particularly the CO_2 and sulphur dioxide produced when fossil fuels are burned for energy.

But our contribution to a cleaner, more comfortable environment begins long before ISOVER glass wool finds its way into homes, schools, factories and offices all over the world. And continues long after a building's useful life is over.





Cleaner in Manufacture

ISOVER products are made from naturally occurring, Silica sand which is the single most common mineral on the planet, and infinitely sustainable as a raw material for manufacture.

In addition, all ISOVER insulation contains around 80% recycled glass; used consumer packaging or industrial glass by-product that would normally be destined for landfill.

Our factories follow strict policies for the safe disposal of waste, the control of harmful emissions and the recycling of materials and by-products wherever possible.

No CFCs or HCFCs are produced in the production process and we are constantly exploring new ways to make that process more energy efficient.

The combined result of these efforts is that, in just a few months, 100% of energy expended in manufacturing ISOVER is recovered through the increased economy it delivers in use.



Greener in Use

Getting ISOVER insulation to the places it's needed is becoming an increasingly environment friendly exercise.

Compression packaging technology now allows us to fit more ISOVER glasswool insulation in a smaller space than almost any other insulant, reducing significantly the road miles covered each year to meet the building industry's growing demand for our products. The result is better vehicle utilisation, reducing the environmental impact of transportation.

With no chemical bonding agents or heat treatment needed during installation, there are no hazards associated with handling ISOVER glass wool. Indeed, over 40 years of ongoing research has revealed nothing other than the fact it is completely safe for installers and building occupants.

And once fitted in the walls, floors and roof spaces of a building, ISOVER glass wool will knock as much as 60% off heating costs, with a corresponding reduction in green house gases produced for energy, for as long as it remains in place.



Infinitely recyclable

After a long, long useful life, ISOVER insulation creates no handling or containment problems for contractors when it comes to demolishing a building.

And once extracted, it can be recycled cleanly, efficiently and economically. Perhaps to contribute to yet another generation of safe, sustainable, energy efficient insulation for the good of everyone.