

# SUSTAINABLE INSULATION SOLUTIONS



DEVELOPING INSULATION SOLUTIONS FOR 40 YEARS

# THE SIDERISE FRAMEWORK FOR SUSTAINABILITY

Siderise is committed to the use of innovative materials and the development of products and technologies for a more sustainable future. We consider the environment in everything we do from the purchasing of our raw materials, the manufacturing processes that we use to produce our products to their end use.

## **Siderise is an innovative solutions provider**

- Developing products that enhance user comfort and wellbeing
- Developing products that reduce energy consumption and help protect or improve our environment
- Developing products that create new economic activity for our customers, our suppliers or ourselves

## **We are a responsible business partner**

- Taking care of our people, our business partners and all those around us
- Designing, manufacturing and distributing products with respect to their environmental impacts

- We strive to be the specialist insulation manufacturer of choice
- We are driven to offer great products and services
- We put the customer at the heart of everything we do
- We provide solutions that you can't get elsewhere
- We strive to be global market leaders, offering high quality, customised and innovative noise control and passive fire solutions for the industrial and built environments.
- Our reputation is built upon our passion for solving noise or fire problems, our professional approach, value engineering capabilities, technical excellence, manufacturing quality and most of all on our people.

## **MAKING A DIFFERENCE**

Everything we do at Siderise is focused on maintaining, improving and protecting the living and working environments of thousands of people.

We are committed to delivering high performance, sustainable and cost effective insulation solutions for the industrial and built environments, whilst endeavouring to minimise the impact of our products on the wider environment.

### **As part of our commitment to sustainable development we will continue to focus on:**

- How we make our products
- How they are transported
- How they are used
- What happens at the end of their service life

## **ENVIRONMENTAL CHALLENGES**

We are committed to the continual environmental improvement of our organisation and to try to reduce any negative effect we may have on the environment.

### **Through the application of a documented management system, the company has committed to:**

- Identify environmental aspects
- Assess significant impacts and risks
- Set objectives and targets based on the principles of:
  - Effective use of resources
  - Energy efficiency
  - Waste minimisation
  - Prevention of pollution
  - Compliance with legislation
  - Monitoring and reviewing of performance against these targets at periodic intervals

### **The company will ensure that:**

- We understand and control our environmental impacts
- We are legally compliant
- Waste is reduced and raw materials are used efficiently
- Emissions are controlled to the best of its ability
- All visitors to site comply with its environmental policy
- Suppliers' environmental management standards are evaluated as part of the supplier approval process
- All reasonable care is taken to mitigate adverse environmental impact
- Employees are trained to meet the continual changes in environmental priorities.



## INTELLIGENT MANUFACTURING PROCESSES

Over recent years we have focused closely on the environmental impact of our manufacturing processes.

### HIGHLIGHTS TO DATE

#### Investment in 'HSL' High Speed Lamella technology

- Advanced high-speed low waste processing of fire-safe stonewool products
- Single process produces a variety of products for diverse sectors
- Automated process enhances mechanical properties so that less raw material is required
- The fire products made are 'one piece' enabling simple, fast and economical installation
- Unmatched movement characteristics increases service life and maintains fire integrity
- Integral impervious foil facings negate the need to use additional chemicals / coatings

#### Investment in 'Slitter' processing enabling Siderise to offer the highest specification foam conversion in the UK

- Increased speed and efficiency
- Reduced power consumption
- Reduced waste
- Reduced landfill

#### Investment in 'Wet Lam' atomised spray lamination

- Advanced development in gun technology
- Reduced solvent usage
- Reduced waste

#### Investment in 'Heat Lam' radiant heat bonding

- Reduced solvent usage

#### Investment in fully sealed automated lamination

- Allows immediate adhesive changeover with no waste and no requirement for solvent flush through

#### Adoption of environmentally conscious materials

- Move to water-based acrylic adhesives (total use 300,000m<sup>2</sup>)
- All PU based block is no longer foamed with methylene chloride
- Complete eradication of isocyanurates from the production processes
- Many of our products are manufactured from recycled materials which can be recycled again at the end of their life.

#### Group-wide implementation of Lean Principles

- Sustained continuous improvement
- Increased production efficiency
- Increased customer value

#### Quality assurance

- Improved process control
- Fewer defects and, therefore, customer complaints
- Reduced waste
- Reduced transportation

#### Waste

- All waste is handled by an accredited recycling agency
- All inbound packing and pallets are reused where possible
- We have been compliant with packaging waste regulations for over a decade

#### Distribution

- Transport is outsourced for maximum distribution efficiency
- Product is despatched immediately following manufacture to ensure the customer receives their product in the fastest manner possible.
- The haulier is able to combine the product consignment with their transport flow, keeping costs and emissions to the absolute minimum possible.

# PROVIDING INNOVATIVE INSULATION SOLUTIONS IN A RESPONSIBLE MANNER

Siderise is a long established manufacturer and distributor of Fire, Thermal and Acoustic insulation materials. We have constantly added to our product portfolio to the point where we now offer one of the largest and most diverse ranges of insulation products in the UK. This, coupled with an unparalleled design and bespoke manufacturing service, means that we can offer insulation solutions to meet whatever your needs may be.

**As a manufacturer of products that in most instances are used to improve the environment in which they are used, Siderise recognise that their processes, activities and products have an impact on the environment. These include:**

- **Non-renewable resource consumption:** mineral fibre, aluminium foil and fuels
- **Hazardous/problematic resource consumption:** solvents, polyurethane, rubber based glues
- **Emissions:** Energy consumption: heating oil, electricity, propane gas and car fuels - all of which we recognise as major generators of CO<sub>2</sub> emissions.

Noise from process plant: will always be a potential source of pollution, measures are taken to minimise this effect

- **Waste production: The major waste streams are:**  
General Process Waste - which although ultimate final method of disposal is landfill, we endeavour to recycle as much of our material as practicably possible, we also try to source product that contains recycled content and compact our waste to reduce transportation.

- **Waste Solvent:** which is incinerated.
- **Disposal of final product:** The majority of our finished product could be re-cycled. However, the disposal of its waste is usually out of our control.
- **Packaging Waste:** The use of packaging supplied with our product is also a wasteful use of natural resources and shall be reduced, re-used and recycled where possible.

All cardboard products are manufactured from recycled materials. Pallets where practicable are recycled and packaging specifications are optimised to their minimum within constraints that still provide maximum protection to the shipped products.

## IN ORDER TO DEMONSTRATE OUR COMMITMENT WE WILL:

Be committed to compliance with all applicable environmental legislation, regulations and other requirements to which the organisation subscribes relating to our environmental aspects. And will keep up to date with any changes made applicable legislation.

**We aim to prevent pollution by:**

- Reducing CO<sub>2</sub> emissions and energy consumption related to our operations and buildings
- Reducing non-recoverable waste
- Reducing water consumption
- Reducing noise pollution

**If you have a problem related to fire or noise please talk to us:**

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