



Krystalite

Louvred smoke & natural ventilators



Safety without compromise on design

Versatility

The Krystalite glass louvre is a product which in itself is a system – easily extended and adapted to integrate with 21st century structures.

Not only is it suitable for installation into all types of vertical glazing and curtain walling façades; its slimline profile easily adapts for integration into non glazed composite structures and blends equally with traditional building designs.

You can choose the height and width of Krystalite needed in your structure. Additional modules can be joined together with a system of coupling mullions and transoms for horizontal and vertical joining of units forming a glass louvre façade of almost infinite dimensions.

The Krystalite glass louvre system is designed around a proven combination of aluminium blade channels, extruded aluminium frames and adaptors to meet the requirements of specifiers. This aesthetically pleasing product matches modern building design coupled with high integrity engineering whilst meeting all technical standards.

The concealed blade operating mechanism housed within the perimeter frame gives the louvre a clean uncluttered appearance.

When closed the security blade channels prevent removal of glass blades and all fixings are concealed and inaccessible.

Performance

The Krystalite glass louvred ventilator has been independently tested and meets the requirements of EN12101-2 as a Smoke and Heat Exhaust Ventilator (SHEV).

The climatic conditions of Western Europe (especially the UK and Ireland) demand that the product meets the most severe of weather tests.

The Krystalite has been independently tested in accordance with European standards EN 12207 and EN12208 for air and water tightness, structural stability and wind loading tests.

Wind pressure, wind suction, water tightness and discharge coefficient capabilities are all explained and tabulated on the Product Data Sheets.

Options

Krystalite glass louvre ventilators are available as standard in various forms of


Single Glass (SG) and Twin Glass (TG) options, they are site glazed dry from the inside or outside subject to structural restraints requiring no special tools.

There is a choice with the SG model, for glass thicknesses of 6, 8 and 12 mm

There is a choice with the Twin Glass model, type TG, for twin glass panel thicknesses of 24, 28 and 32 mm.

A vast array of outer adaptor frame options gives the specifier more choice and freedom in design and visual appeal. The Krystalite TG version has an aluminium frame which is thermally broken to provide the best insulation properties possible and the ability of the louvre to be completely flush with the façade, particularly important in glazing applications.





Choice is the prerogative of the customer. Explain your structure and ventilation needs. We will provide clear and concise drawings to explain the way Krystalite units can meet that need.

A Clear advantage for the future

The Krystalite glass louvre system offers the design team unique opportunities to specify inconspicuous units which will fulfil any natural and or smoke ventilation requirement.

The Krystalite is an environmentally friendly product incorporating all the recyclable and sustainable elements of aluminium and the efficient thermal properties of polyamide thermal break. Thus you have a high performance thermally efficient product. It is the perfect solution for modern day buildings.

Krystalite installations give the occupants good daylight, efficient natural ventilation and the confidence that in an emergency, they can be used as part of a natural Smoke and Heat Exhaust Ventilation System (SHEVS).

Appearance and colour help to determine the prominence, impact and character of a building and combine to harmonise or contrast with its surroundings.

The Krystalite is available in either silver anodised finish or polyester powder coated in a wide range of BS and Ral colours and with many options (such as dual colour) easily accommodated when that special attention to detail is required.

Maintenance

Maintenance is straightforward and very simple. Once a year cleaning and operational checking is normally sufficient. The inside and outside glass surfaces can be cleaned from inside the building without the need to supply costly specialist access equipment just to wash a few panes of glass.

Quality

SHEV Company Limited, being a company of assessed capability, has a rigid policy of quality assurance. All products are produced in accordance with DIN EN ISO 9001 via our quality management system. These standard procedures are applied in all aspects of Factory Production Control (FPC) of our products to ensure consistent operational reliability.

Smoke ventilators must form part of a professionally designed Smoke and Heat Exhaust Ventilation System (SHEVS) that will be specially suited to an individual buildings size usage and structure.

At a Glance

- Complies with EN12101 part 2.
- Tested for the most severe weather conditions.
- Quality controlled production.
- Glass matches that used in other parts of the build.
- Various control options.
- Technically and visually flawless.
- Weatherproof durable and attractive.



Krystalite glass louvres, The clear alternative

The new face of Smoke Ventilation, SHEV Company – The complete solution providers.

Shev Company Limited is a privately owned British Company producing cost effective Smoke and Heat Exhaust Ventilators that are certified and tested to the demanding performance specification of EN12101 Part 2.

Our products are available throughout the UK and Ireland via a comprehensive network of regional companies that are specialists in all aspects of Smoke and Heat Exhaust Ventilation Systems (SHEVS).

We have vast experience and knowledge of fire engineering and provide industry leading, professionally engineered solutions for every application.

We are committed to providing a rapid response

and a total commitment to customer service is assured.

Perfect partners for the perfect solution

Shev Company Limited's commitment to the specialist installer means a complete support and advisory service as well as a range of smoke ventilation products built to the highest standard with the emphasis on performance and aesthetics

All of our approved specialist suppliers pride themselves in their service to industry. With a genuine commitment to the customers needs, the suppliers of our products will assist and advise you on the most effective and economical solutions - and provide a fast response in every situation.

Their experience will help you maximise the potential of our products in terms of both performance and aesthetics, and ensure that you choose the most appropriate system for your requirements.

Why Choose SHEV Company Products?

- We can offer flexible solutions to meet every requirement and construction method.
- We can provide crucial assistance just when it is needed.
- We offer the highest standard of service, quality and reliability.
- We demonstrate innovation and excellence in our products and services.

In this industry the products you choose are crucial to the safety and wellbeing of others; we believe we can make that choice simple, choose SHEV Company products.

For more information on SHEV Company Limited, its products and partners visit our website www.shevcompany.co.uk



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Shev Company limited operates a policy of continuous product improvements. The information given in this leaflet is subject to change or modification without prior notice.

Supplier details: