



Smoke vents and air supply



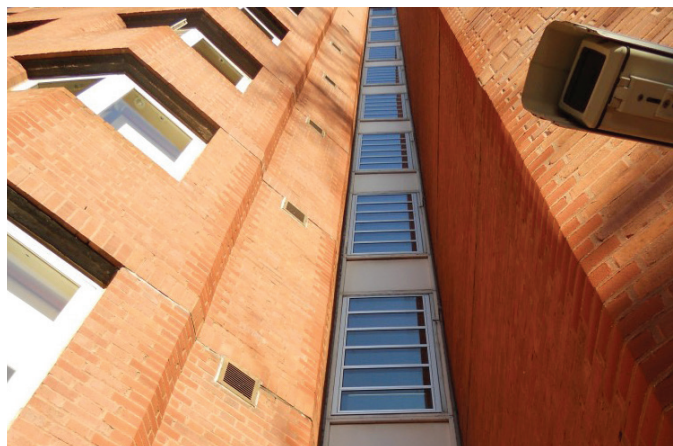
High-performance life-saving
devices for high-rises

Innovative rooflight solutions
Unsurpassed service



Whitesales®
Rooflights & more...

Vertical smoke ventilation for outstanding safety



The Em-Louvre is a high-performance smoke vent which draws smoke and toxic fumes from buildings fast. Em-Louvre smoke vents increase occupier and building safety in apartment and commercial buildings – especially high-rise configurations, thanks to superior resistance to weather and wind load. We've designed them for easy, rapid installation into façade apertures and curtain walls.

Most importantly, they open to 90 degrees in under 60 seconds in the event of fire – exhausting smoke and heat for clearer, safer escape routes. They can automatically and cost-effectively deliver fresh air and comfort cooling during warmer months. And when you choose the toughened double or triple glazing option, they boost quality of life by flooding stairwells, corridors and communal zones with natural light.

Their sleek design suits all manner of architectural styles, anti-trapping actuators protect against injury, and even when fully open there's no fall hazard for occupants.

Em-Louvres are fully certified, fully compliant, and designed specifically to save lives.

Why choose Em-Louvre:

- Available in a wide range of sizes or bespoke-built to order
- Choice of double or triple glazed glass, or solid insulated aluminium blades
- Easy to install
- Opens to 90 degrees within 60 seconds
- Consumes minimal energy during operation
- High resistance to weather and wind load

Compliant beyond minimum standards:

- CE marked and fully certified to BS EN12101-2
- Helps you comply with Building Regulations ADB, ADF and ADL
- Sound reduction with acoustic insulation up to 41db RW
- Impact-resistant to DIN 18032-3
- Barrier load to BS 6180:2011
- Anti-burglar to EN1627 RC2



Case Study Dagenham apartments

Project information

Project: Dagenham apartments

Scope: A multipurpose NSHEV smoke ventilation system for a series of seven apartment blocks

Products: Em-Louvre smoke vents plus associated control panels, thermostats and switches

The Challenge:

Hundreds of people die in fires every year, yet more often than not the cause of death is inhalation of smoke or toxic fumes, rather than the fire itself.

Effective automatic smoke ventilation systems draw heat, smoke and fumes out of commons, corridors and stairwells: the escape routes. The bigger and higher the building, the more important outstanding smoke ventilation becomes.

United Living called on Whitesales to guarantee a series of seven apartment blocks became safer for residents and exceed building regulations.

The Solution:

The Em-Louvre with glazed louvres was the obvious model to maximise smoke and heat exhaust while drawing daylight into hallways and stairways.

As well as opening to 90 degrees within 60 seconds when activated, Em-Louvres can be connected to thermostats and manual controls to provide passive comfort cooling to enhance living conditions inside. The anti-trapping actuators prevent accidental injury when the louvres close – and they're low-energy in use, so that fresh air doesn't come at a cost.

Call us on **01483 271371** or email **sales@whitesales.co.uk** for more information



The Result:

We specified, supplied and installed 80 Em-Louvre smoke vents and their associated control panels, thermostats and switches. The set-up allowed the systems to respond to fire or smoke detection in zones.

The vents, which we installed into existing frames with no modification, feature impact-resistant, toughened clear glazing, which flood those communal areas with natural light. Through a combination of thermostat settings and manual controls, residents can safely control free fresh air flow during warmer weather.

The Benefits:

- Certified to residential building regulations, including EN12101-2
- Open to 90 degrees inside 60 seconds to clear deadly smoke fast
- Natural light for better safety, quality of life and lower lighting costs
- Residents can control free comfort cooling in the warmer months.



To find out more, request a quotation or place an order, please contact us on **01483 271371** or email **sales@whitesales.co.uk**