

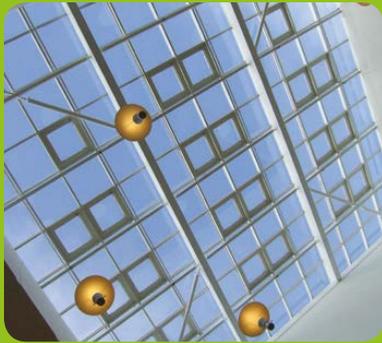
# Antonine Shopping Centre

Cumbernauld | Scotland | Realised by: Airvent, United Kingdom

## Aesthetics go hand in hand with fire safety and comfort

### Challenge: Smoke ventilation for £40m shopping centre

In 2007, Cumbernauld, North Lanarkshire, was transformed as a shopping destination thanks to the construction of the impressive £40m Antonine retail mall. The 350,000sq ft space is the largest retail destination in the local area, and integrates with the existing town centre to create a considerable draw for thousands of consumers each week. Brakel Airvent was selected due to its expertise and proven track record in dealing with smoke control in high population density areas such as shopping malls.



## Solution

- **Design and installation**

The Antonine shopping centre project involved the design and installation of a smoke control system which keeps escape routes clear in the event of a fire and increase visibility conditions for fire fighters.

- **Building regulations**

Brakel had to consider the design of the smoke control system and ensure it met the criteria for the building regulations the client was seeking to attain.

In addition, it was extremely important to the client that its initial design philosophy was not compromised in any way by the installation of a smoke control system.

**“Brakel's solution guarantees safety while maintaining stylish design.”**

To this end, Brakel selected its Luma ventilation windows as the ideal solution to both guarantee safety and not adversely affect the aesthetics of the build, providing smoke safety plus control of comfort levels in day to day use. The glazed roof and atrium of the building are considered its main architectural draw, so over 100 Luma ventilation windows were installed, selected for their glazed surface, discrete frames and hidden controls.

## Project Outcomes

- Design and installation of a certified smoke control system
- Aesthetic solution to fire safety issue
- Discrete frames and hidden controls
- Day to day comfort level control



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