



Shopping Mall Smoke Control

Client

London & Regional Properties

Project

Antonine Shopping Centre

Location

Cumbernauld

"The Cumbernauld shopping centre presented unique challenges to smoke control with its long central corridor and atrium section. Airvent's solution guarantees a safe escape route for as long as possible and is in keeping with the look of the structure."

Overview

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.

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.

Operations

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

To this end, Airvent selected its Shadow 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 Shadow ventilation windows were installed, selected for their glazed surface, discrete frames and hidden controls.