



B&Q Flagship Store

Client

PDR Construction

Project

B&Q Store

Location

Tamworth, Staffordshire

"The essence of the solution is to deal with the smoke as quickly as possible to provide clear access for firefighters."



Overview

Smoke systems for retail warehouse

D.I.Y. retailer B&Q has taken 45,000sqft at The Cardinal Point site in Tamworth – a significant new 100,000sqft retail scheme. The B&Q store has been designed to a custom specification and will boast the latest in B&Q store design to meet the company's environmental, sustainability and marketing requirements.

Airvent was selected to install a smoke control system to manage both comfort and smoke clearance.

B&Q has set a specification for twin flapped insulated ventilators to be utilised on its flagship retail stores, due to their extremely low air permeability and impressive thermal characteristics which enhance overall building insulation levels and reduce the wastage of heat energy. The ventilators are clad with special roof profiles to match the roof.

The flagship store is scheduled for completion by the end of 2011 and Airvent was selected as specialist contractor on account of its industry reputation as the approachable, knowledgeable choice, and its flexible approach to working with other B&Q specialist suppliers.

Operations

Airvent is providing B&Q with a full turnkey package including installing, wiring and commissioning the system.

As this is an open-plan retail scheme, it presents specific requirements to smoke control design including the need to account for high ceilings and mezzanine levels.

The smoke control system ensures clear escape routes for various scenarios: these routes are designed to give as much escape time as possible and ensure maximum safety of staff and shoppers. The systems also help firefighters at ground level by increasing visibility and therefore make their operations easier and safer.

Airvent has a proven track record in the retail sector and understands the specific needs of this type of scheme. They are proud to have been selected to assist with this prestigious retail development.

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