

projectoverview



WATERGARDENS

MELBOURNE



smoke containment screens • smoke curtains • fire curtains • horizontal fire curtains • smoke & heat release vents • natural ventilation • fire resistant glazing • horizontal glazing • smoke doors • fire doors • intumescent paint & other specialty systems

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Problem

The required smoke reservoir locations and signs do not fit in with the building shape configurations

Solution

Install Supercoil single span smoke curtains/baffles with side guides.

Design Considerations

The solution had to provide minimal leakage to allow larger smoke reservoirs to be created. This meant that overlapped smoke curtains were not suitable. Only Supercoil single span curtains can provide suitable protection in this application.

Fire Safety Engineer

NDY

*Note: Each project is unique and usually requires the involvement of a Fire Safety Engineer.
Please contact us to discuss the suitability of this solution for your project.*

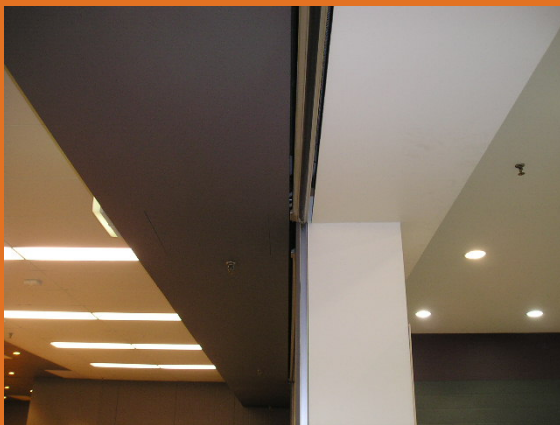


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WOOLWORTHS

TASMANIA



smoke containment screens • smoke curtains • fire curtains • horizontal fire curtains • smoke & heat release vents • natural ventilation • fire resistant glazing • horizontal glazing • smoke doors • fire doors • intumescent paint & other specialty systems

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Problem

The area required a smoke reservoir location at the front of the store, potentially reducing the impact of the store front.

Solution

The solution was to install Moducoil vertical smoke curtains at the entrance of the store. The smoke curtains had to be invisible during non-fire mode. However when the system is in fire mode, the smoke curtains deploy to create the required smoke reservoir depth.

Design Considerations

The solution was required to be both light weight and compact. Additionally, the client desired a product that was cost sensitive.

Client

Woolworths

Fire Safety Engineer

Pitt & Sherry

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DEBENHAMS

UK



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Building Type

Shopping Centre Complex

Problem

An open plan shopping centre design concept exceeds local Building Regulation's allowable smoke compartment sizes.

Solution

A number of 12 metre wide by 5 metre drop Supercoil automatic smoke curtains were used to separate the large open space into acceptable smoke compartment sizes in fire mode whilst maintaining open plan and undercover shopping mall atmosphere in non fire mode.

The automatic smoke curtains retract into the fabric of the building and only deploy on receipt of a signal from the fire indicator panel.

Design Considerations

Supercoil is the only smoke curtain system that can be provided without the need for unnecessary curtain overlaps and multiple drive units.

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KIEV PLAZA

UKRAINE



smoke containment screens • smoke curtains • fire curtains • horizontal fire curtains • smoke & heat release vents • natural ventilation • fire resistant glazing • horizontal glazing • smoke doors • fire doors • intumescent paint & other specialty systems

Building Type

Shopping Centre Complex

Problem

An open plan shopping layout was required looking into a central atrium, however smoke compartmentation requires fixed smoke walls under local Building Ordinances.

Solution

Smoke containment was provided by way of Supercoil automatic smoke curtains installed around the atrium perimeter, concealed within the false ceilings. These allow for open plan shopping in non fire mode, whilst providing the necessary smoke reservoir capabilities on automatic deployment in fire mode.

Design Considerations

Supercoil could be provided in very wide spans in single modules and therefore not requiring multiple motors or overlaps, the latter which allows excessive smoke migration into the atrium space and decreasing the time to untenable conditions for shoppers in the advent of a fire.

Supercoil could also provide a comprehensive list of shopping centre project already completed worldwide.

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