



THE VILLAGE BALGOWLAH

CASE STUDY

CLIENT: The Village Balgowlah
Sydney, Australia

SECTOR: Commercial

PROJECT: Vii@Fire Fire and Smoke
Curtain Barriers



coopers

EST. 1983

LEADING THE WAY IN FIRE PROTECTION

COOPERS HELP PROTECT LIFT SHAFTS FROM SMOKE CHANNELLING

WHAT TYPE OF FIRE PROTECTION WAS THE CLIENT LOOKING FOR?

The Village Balgowlah, a unique mixed use developments comprising of commercial, retail and residential buildings. The complexes commercial offices and 234 luxury apartments are serviced by a network of elevators that terminate in a common basement car park area.

In order to meet stringent fire regulations, the development had to protect the building's many offices and apartments from smoke channelling up the lift shafts and into the floors that are occupied by residents and office workers.

Traditional lift openings only provide limited protection against smoke as operational gaps around the doors leak smoke in the event of a fire. It was therefore necessary to install smoke curtains that deploy to protect the lift door, effectively containing and separate smoke at the source and protect the building's floors from filling with smoke.

HOW DID COOPERS HELP?

Coopers manufactured, installed and commissioned a system of Vii@Fire S fire and smoke curtain barriers developed to deploy to protect the lift's doors, minimising smoke migration should a fire break out.

Installed across 9 lifts openings in 3 basement levels, the Vii@Fire S fire and smoke curtain barriers have been developed by Coopers to provide 2 hour fire and smoke resistance, an even greater level of redundancy over commonly used smoke only film type systems.

“ For over 30 years, professionals have relied upon Coopers high performance fire and smoke curtains to guarantee that their building designs comply with stringent fire regulations ”

Fire brigade intervention emergency retract buttons were installed either side of the opening to provide occupants with a means of temporarily raising the curtain barrier system to allow for safe and controlled evacuation from within the lift. The fire and smoke curtain barrier will redeploy once the occupant has escaped the lift.

BENEFITS

Coopers worked with Fire engineer Defire to meet stringent fire regulations and provide an effective fire and smoke control strategy that will help to protect occupant from the harmful effects of fire and smoke.

Furthermore, Coopers Vii@Fire S fire and smoke curtain barriers were sympathetically integrated with the lift openings to provide an aesthetically pleasing finishing.

KEY BENEFITS

- Manufactured by Coopers in the UK under ISO 9001
- Products supplied are CE Marked in accordance with the Construction Products Regulations
- 2 hour fire and smoke rating
- Easily integrated with the design of the lift opening



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Coopers Fire Ltd has a policy of continuous product improvement.

As such we reserve the right to change design and specifications without prior notice.

Please check our website for the latest information