

PLQ
MALL

PAYA LEBAR QUARTER, SINGAPORE

CASE STUDY

INSTALLATION BY

INNIVATE

www.innivate.com

CLIENT: SHINRYO CORPORATION

SECTOR: Retail, Restaurants & Leisure

PROJECT: FireMaster® Concertina
Fire Curtains

APPLICATION: Compartmentation



coopers

EST. 1983

LEADING THE WAY IN FIRE PROTECTION

INNIVATE PROUDLY INSTALL THE LARGEST FIREMASTER CONCERTINA TO DATE

WHAT WAS THE CLIENT LOOKING FOR?

Paya Lebar Quarter (PLQ) Mall in Singapore is a £2 billion centrally located mixed use building spreading over four-hectares featuring shopping malls, entertainment facilities, office space and modern residential living spaces. Paya Lebar Quarter (PLQ) Mall was constructed by Lendlease and opened in October 2019.

The mixed-use commercial development is Lendlease's largest to date in Singapore and one of their largest projects in Asia.

PLQ was designed by DP Architects, who are based in Marina Square, Singapore and found inspiration to design the development by the intricate weaving patterns of the Songket, a traditional Malay brocade textile.

The retail mall offers six floors of retail, a floor with cinema and other entertainment offers, and a rooftop garden. It was important to DP Architects that pedestrian flow was as seamless as possible in the development, hence the use of fire curtains.

HOW DID COOPERS HELP?

To retain a free flow of pedestrians in the retail mall, DP Architects designed four-sided FireMaster Closed Concertina fire curtains on each of the floors around the escalator wells to offer the level of fire protection required.

The FireMaster Concertina was favoured by the architects due to the 'no guide rails' feature, meaning the escalator well areas and the surrounding concourses remained open plan and free from obtrusive side guides required on traditional vertical fire curtains.

There is a total of eight FireMaster Closed Concertina fire curtains installed with two curtains on four floors around the escalators on levels 1, 2, 3 and 4. All of the Concertina fire curtains were rectangular in shape ranging from 3.5 metre to 4 metre drops. The largest curtain was 31 metres long by 6.2 metres wide.

By utilising the FireMaster Concertina meant it would provide the building with an approved, non-invasive means of fire protection that would satisfy the fire regulations as well as ensuring that the open plan design remained as intended allowing for the free flow of pedestrians.

BENEFITS

Innivate worked closely with Shinryo Corporation on this project to satisfy the fire regulations as well as maintaining the building design requirements. As the fire curtain installers it meant that the fire curtain was fully project managed ensuring the final, fitted product satisfied the high quality finish required.

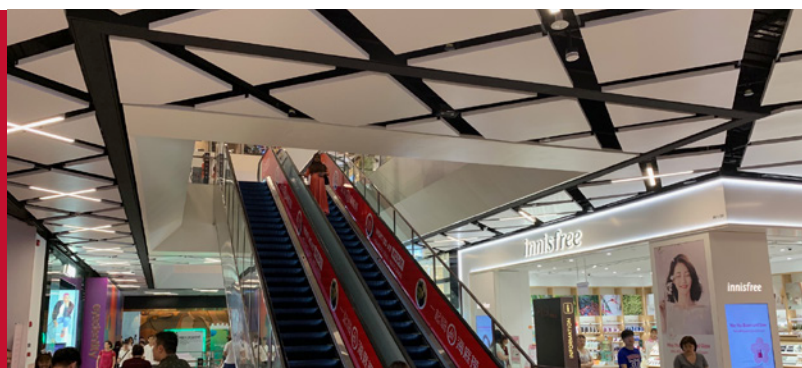
As the exclusive distributor of Coopers Fire products in Singapore, Innivate are able to offer the full range of Coopers Fire fire curtains.

Coopers fire curtains are recognised as the modern alternative to firewalls, fire doors and glazing, giving designers the freedom to design modern, open plan spaces without compromising fire safety. They are increasingly specified by designers around the world as a solution for open plan designs.

Coopers Fire is a turnkey business, offering the customer a product and service with full provenance. Coopers Fire designs, manufactures, tests, installs and maintains all its fire curtains from our business premises in Havant, Hampshire and are Independently Third Party Certified for Product Testing and Installation.

KEY BENEFITS

- Every Concertina is bespoke and is manufactured to meet specific requirements.
- No corner posts and columns means there is no longer the need for side guides to compromise design.
- Manufactured by Coopers Fire in the UK under ISO 9001 and ISO 14001 systems.



Coopers Fire Ltd,
Edward House, Penner Road,
Havant, Hampshire, PO9 1QZ
United Kingdom

Phone: +44 (0)2392 454 405

Email: info@coopersfire.com

Web: www.coopersfire.com

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