

# Case Study

## THE PAULA FOX MELANOMA CANCER CENTRE

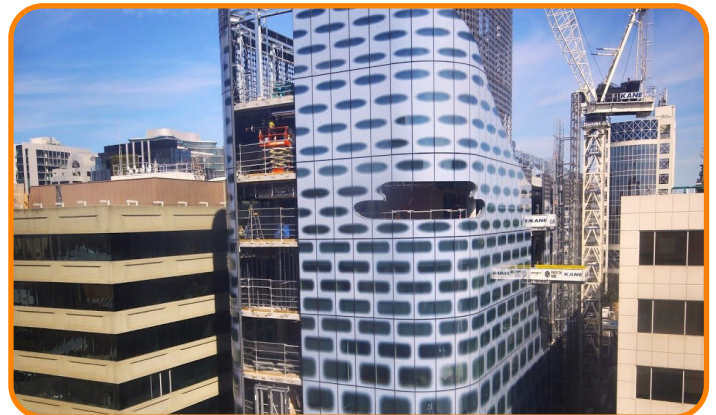
### Project Overview

Located in St. Kilda, Melbourne, the Paula Fox Melanoma Cancer Centre demonstrates a practical application of advanced fire safety in architectural design. The Centre is an example of architectural innovation and a testament to the integration of design and safety. More than 1000 glass panels, each up to 700kg, wrap the building in a skin-like veil, enabling a flood of natural light throughout its spaces. This design, symbolising the process of skin grafting, is not only a nod to the centre's focus on treating skin cancers but also highlights a commitment to creating a serene environment for healing. Kane Constructions managed the unique challenges of this project, ensuring that the innovative design also met strict fire safety standards.



### Challenges

- **Curved Glass Facades:** The unique shapes of curved facades create gaps that standard firestopping methods can't easily seal, challenging the containment of fire and smoke.
- **Beyond Fire:** The building's design has to also address not just fire safety, but also the impacts of movement, air leakage, and acoustic performance for a comfortable, and energy-efficient environment.



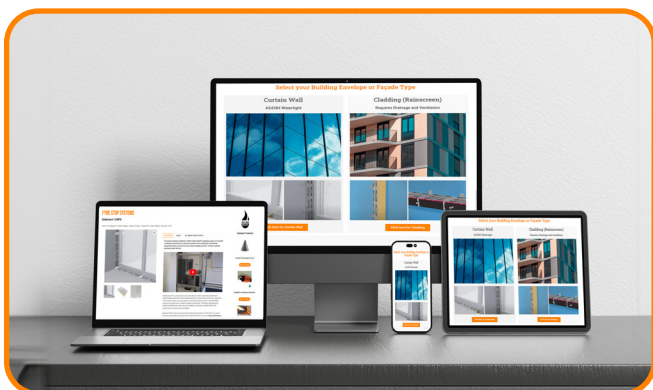
- **System :** Siderise CWFS, was chosen for its ability to meet the project's stringent requirements. Siderise CWFS (Curtain Wall Fire Stop) systems are a proven means to protect the slab edge perimeter behind a glazed curtain wall for spread of fire, smoke, air and sound. The fast, clean and dry system also allows for building movement between the slab and curtain wall, **meeting NCC requirements for structural and thermal building movement in C2.6.**
- **Technical Support:** Integrating the Siderise CWFS system into the Centre's unique structure was a complex endeavor. Engineers from Trafalgar Fire met with contractors on site several times to provide design and installation advice for custom fitting the CWFS system to the curved glass facades.



- **Application and Ease of Installation:** Siderise CWFS can be easily cut on site, to cater to various void sizes - if site tolerances vary significantly and suits a variety of architectural designs, efficiently addressing the complexities of curved facades.



Take a look at the installation tutorial on [Trafalgar TV.com](http://TrafalgarTV.com)



## Learn More:

See how Siderise will improve your next project:

Use our **Cavity Barrier Selector** on our website to choose the system that suits your application.

Or get in touch now at : [sales@tgroup.com.au](mailto:sales@tgroup.com.au)