



Bass Coast College utilises ASSA ABLOY SL521 ADS-F Telescopic Doors to improve safety and efficiency in a wind-affected environment.

Located in the South Eastern Region of The Department of Education and Training (DET) located roughly 130km from Melbourne CBD, Bass Coast College is a Year 7-12 dual campus school of around 1500 students.

Project

ASSA ABLOY was approached by Bass College design architect Kennedy Nolan for an issue the school was having with four doors impacted by strong winds. Located near Bass Straight, Bass Coast College is regularly impacted by strong winds and weather events.

Challenge

The wind had created two main issues:

1. Replace manual doors - safety concern with doors slamming in the strong wind. Students or staff could be severely injured if they were struck by the fast-moving uncontrolled doors
2. Wind racing into the building (the library), affecting air cooling, wind noise and loose paper or notes.

The main challenge was to ensure the safety of those using the door, but also required a robust solution to operate comfortably and safely in a high-wind environment.

SUMMARY

CUSTOMER

- Bass Coast College

INDUSTRY

- Education

LOCATION

- Wonthaggi Victoria

PROJECT DETAILS

- Strong wind conditions increasing the chance of injury onsite
- Wind gusts into building (School's library)
- Loss of cool air flow from inside

PRODUCT SELECTED

- ASSA ABLOY SL521 ADS-F Telescopic doors

RESULTS

- Strong robust system able to operate effectively in strong winds
- Largest clear opening width without any structural change

Solution

Following consultation with ASSA ABLOY, it was decided that ASSA ABLOY SL521 ADS-F Telescopic door system should be utilised. In addition to providing the largest clear opening width without having to create any structural change, the system featured built-in seals for unpredictable weather. The replacement doors also were specified with double-glazing to reduce noise.

Doors were installed in an offset layout to reduce wind movement, with the main wind-affected external doors replaced with a single SL521 ADS-F entry.

Benefits

Its built-in seals greatly reduced unfavourable weather entering the building along with keeping the air-conditioning where it belongs - inside the building. Installing the doors in an offset layout for the school library helped mitigate the wind moving through the airlock, with a single entry replacing 2 doors withstand the harsh winds, whilst providing sufficient safety, sustainability and noise issues.



"The robust aluminium frame profiles are ideal for high-traffic entrances where impact damage is a consideration, and can stand up to heavy winds and stack pressures."



Bass Coast College ADS-F Telescopic doors from within Library

ASSA ABLOY Entrance Systems was able to deliver a robust and sustainable solution for Bass Coast College. The selected doors achieved what it was designed to do - provide safe, robust automatic doors that could withstand harsh environmental conditions. In addition ASSA ABLOY's 24/7 customer support, and service and maintenance packages will ensure seamless use of the system for now and into the future.

Contact

For more information on ASSA ABLOY's SL521 ADS-F Telescopic swinging doors, or this case study, please contact our specifications or services team on 1300 13 13 10 or email info.au.entrance@assaabloy.com.

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ASSA ABLOY Entrance Systems

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