

HOLMESGLEN INSTITUTE OF TAFE

Pedestrian Bridges

Chadstone Campus, Victoria



As part of a larger building refurbishment project at the Holmesglen Institute of TAFE, Chadstone Campus, the project required the connection of 4 existing student and administration buildings, across an existing road, by way of 2 new pedestrian bridges.

The design aimed to create a weatherproof link, with a tempered internal environment, utilising a contemporary material that contrasted with the brick and colourbond of the existing buildings.

The design required a cladding material with a level of translucency, to reduce the requirement for daytime lighting. On selecting Danpalon for these properties, the design aimed to utilise the materials inherent properties to their full extent. This resulted in a sprung curved design, which also fulfilled other criteria including:

- modular construction and universal fixings,
- ease of installation,
- flexibility,
- colour range and
- insulation properties.

Danpalon's translucency allowed the use of internal lighting to provide a night time presence, with the bridges acting as beacons on campus.

The Danpalon does not join at the underside of the bridge, providing natural ventilation, and allowing the bridges to be washed clean on the inside, without any water pooling.

The product selected was a single skin of 12000mm long Danpalon 8mm Multicell Polycarbonate, with an additional UV coating applied to the exterior face, in 'Clear', 'Bronze' and 'Reflective Heatstop'



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