



Associate of International Zinc Association

Asia Pacific Edition

Zinc Galvanizing in Car Parks

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galvanize
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THE ARCHITECTURAL INTEGRATION OF CAR PARKS

The modern car park provides the transition from personal to public transport. These transport hubs link car use to anything from pedestrian thoroughfares to flying. Inner city dwelling is also a growing factor in the need to park cars more efficiently. "Galvanize" case studies in this issue highlight the architectural achievements evolving from upgrading strictly utility structures to unobtrusive and functional civic buildings.



Above: A galvanised pedestrian bridge structure



Right: Federation Square Car Park designed for light and transparency

Editorial
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Innovative structural and landscaping links, have turned one of the world's busiest traffic interchanges into a most attractive city precinct.

Project details

Client:
Federation Square Corporation
Construction Manager:
Multiplex
Design and Construction:
Alfasi Projects and Services

Federation Square Car Park and Rail & Pedestrian Bridge

Concept: Federation Square is a world-class architectural celebration of many things, including the innovative use of galvanised steel, which is complemented in this latest city development.

The access facilities from the southern Yarra River, parklands and city sports domain have now conjoined the city, the Square and the riverbanks. This is achieved by innovative steel design capturing a city vision of these Melbourne features so long obscured from view. Other suburbs are also provided for by the on-site Flinders Street Railway Station and the new multi-story car park.

The car park takes up the levels between the river and Federation Square ground floor, while pedestrian bridges and walkways cater for the many people who enter the facility or the city from the south. The car park accommodates 500 vehicles and allows access from Federation Square, Flinders, Russell or Exhibition Streets.

The 600 tonnes of steel in the car park is heavy duty galvanised as are much of the access ways and water front structural features.

Design: The design and construct package for the entire car park was ably carried out by Alfasi Projects and Services to achieve a series of important considerations including harmony with the surroundings and availability of the inviting riverbank parkland aspect. The low profile building concept achieves this outcome where, in addition, the open span galvanised steel structure provides both the extra security of clear sight lines and a soft merging of the transport activities and the treed river side.

Of importance were the factors of low maintenance, hard wearing, light and reflective surfaces where the perforated metal side panels create virtual transparency through the structure. This makes a valuable contribution to personal and vehicular security as well as ease of access and lack of obstruction during entry or egress.

The innovative structural and landscaping links, created by this community facility, have turned one of the world's busiest traffic interchanges into a most attractive city precinct.

