



CAR PARKS

DURABLE SOLUTIONS FOR CAR PARKS

PROVIDING WATERTIGHT TRANSITIONS WITH C/S ALLWAY® EXPANSION JOINT COVERS

Standard duty expansion joint covers aren't durable enough to withstand the constant heavy traffic in multi-storey, underground and car parking decks, tougher, more bespoke solutions are required.

C/S offers a wide range of expansion joint covers which have been designed specifically for car parks. From simple compression seals to highly engineered metal covers, there is a solution to suit any indoor or outdoor parking situation and budget.

PARKING SEALS



- **HB series** - simple to install compression seals featuring a serrated edge design improving adhesion of the seal to joint walls.
 - Joint width: up to 100mm
 - Horizontal movement: up to +/- 50mm
- **Zip Block series** - one piece EPDM elastomeric seals with integral nosing, bonded into a high-strength epoxy bedding. ZB is sealed on each side with a urethane sealant, resulting in an extremely durable and watertight joint system. Can be installed over green concrete.
 - Joint width: up to 100mm
 - Horizontal movement: up to +/- 50mm
- **CSX series** - made from low density, closed cell and expanded polyethylene, C/S Expandiseal is a resilient weather, chemical and UV resistant water-proof joint seal that has a high working temperature making it ideal for high traffic areas.
 - Joint width: up to 100mm
 - Horizontal movement: up to +56 / -37mm

METAL JOINT COVERS*



- **APF 100/150** - The unique interlocking cover design allows for horizontal movement in the floor slab, as well as some vertical deflection. The interlocking cover assembly utilises precision gaskets to eliminate any metal-to-metal noise and to prevent the infiltration of the liquids.
 - Joint width: up to 150mm
 - Horizontal movement: up to +/- 38mm
- **SJHD series** - This flush mounted cover can be designed for 100% movement. Self-centering aluminium plate remains flush during thermal movement, and temporarily displaces and slides over floor surface during seismic movement.
 - Joint width: up to 200mm
 - Horizontal movement: up to +/- 135mm
- **AGS** - This metal cover has a centre plate design which is anchored to only one slab allowing movement over the adjacent slab.
 - Joint width: up to 125mm
 - Horizontal movement: up to +90 / -125mm

* All metal covers come with a moisture barrier as standard





SOLVING PROBLEMS THROUGH INNOVATION

Through innovation and testing C/S has solved many of the issues associated with existing products on the market to create Expansion Joint Covers you can depend on for years to come.

PROBLEM

Winged seals with elastomeric concrete fail regularly



Wheeled impact causes hairline cracks in elastomeric concrete in typical applications. Through further wheeled impact, cracking becomes more severe until the seal's wing pulls away.

SOLUTION

Zip Block Series featuring a durable shoulder.



Our solution is a one-piece EPDM system. The shoulder of the Zip Block is substantial enough to withstand wheeled impact regardless of the condition of the slab edge below. Easily installed, the epoxy bond holds up under constant deflection and temperature extremes.

PROBLEM

Traditional metal covers loosen, clang and break away



Constant impact of cars and deflection of the concrete slab quickly loosens or destroys traditional metal covers since all the force from the impact is transferred to the centre bolt.

SOLUTION

APF Series without centre bolt fixings.



The interlocking cover design without centre bolt fixings allows for horizontal movement in the slab as well as vertical deflection. The cover assembly utilises precision gaskets to eliminate metal-to-metal noise and prevent the infiltration of liquids.

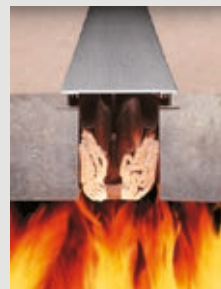
TESTING

Our products are subjected to rigorous testing, including rolling loads, with simultaneous vertical slab deflection; sub-zero temperature testing, including several freeze-thaw cycles and more.

Zip Block Series

At 35,000 cycles the Zip Block series exhibited no wear or tear from the rolling load. The seal was also tested to simulate shear stress created by a rapidly moving vehicle braking abruptly. The result is a seal you can depend on.

STOPPING FIRE WITH C/S FIRE BARRIER SYSTEMS



C/S Fire Blanket

A blanket type fire barrier system consisting of insulation layers encapsulated in a stainless steel mesh, which keeps the insulation in place.

- Suitable for floors & walls
- Floor joint widths: 25 - 500mm
- Wall joint widths: 25 - 500mm
- 1-hour & 2-hour fire rated



C/S Fire Compression Barrier

An innovative and cost effective fire barrier system comprising of a compressible block of insulation housed in continuous steel foil.

- Suitable for floors & walls
- Floor joint widths: 25 - 100mm
- Wall joint widths: 25 - 100mm
- 1-hour & 2-hour fire rated

PROTECTING FROM IMPACT DAMAGE WITH C/S ACROVYN®

RUBBER CRASHRAILS AND CORNER GUARDS

A range of EPDM rubber & stainless steel products offering excellent shock-absorbing and weather resistant properties. They are ideal for protecting walls, corners and columns in car parks and can be fixed directly to concrete, steel or masonry. Options include;

- 150W20 slim line crash rail in 150mm depth.
- 200W30 crash rail, available in 30 or 50mm thickness. Optional light reflective tape insert is available for additional safety. 200W30 model can be fixed to circular columns.
- 75C and 100C surface mounted heavy duty corner guards available in 75 and 100mm leg sizes.
- CO Series surface mounted corner guards are made of 304 stainless alloy with satin finish. CO-8 has 89mm legs (custom sizes available).





PREVENTING SLIP AND TRIP ACCIDENTS WITH C/S PEDISYSTEMS®

C/S entrance matting range provides a smooth pedestrian transition from car parks into your facility, and at the same time removes any moisture from shoes and trolley wheels. C/S Pedisystems range offers an entrance solution to fit your budget.

- Pediluxe - 17mm deep aluminium rail system capable of withstanding rolling loads of 500kg/wheel and offering up to 80% of surface absorption area
- Pedimat - 11mm deep system with 136kgs/wheel rolling load capability and up to 65% of surface absorption area
- Pedigrind - 46mm deep drainable system with 182kg/wheel rolling load capability and up to 80%



PEDILUXE



PEDIMAT



PEDIGRID

PREVENTING ACCIDENTAL INJURIES WITH C/S STAIR NOSING

C/S Australia provides specialty stair nosing products for car parks such as C/S CRYSTALLINE™ which offers the best possible performance to cost ratio. Once installed it stays installed and performs year after year.

As part of C/S Australia's long-standing commitment to sustainability, our stair nosing products are manufactured right here in Australia. To ensure safety and accessibility, our stair nosing products also comply with Australian Standard (AS) 1428.1:2009, which outlines requirements for access and mobility when designing for new buildings.



CRYSTALLINE™ 4

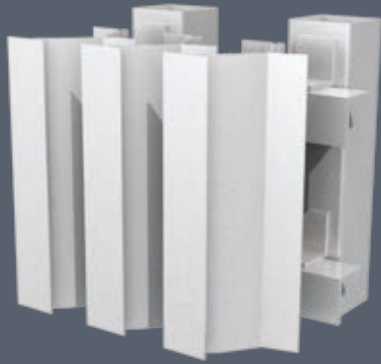
Square Nose, Diminishing Type
Clear Anodised Aluminium
Various insert colours

PROVIDING STUNNING FACADES FOR VENTILATION AND EXHAUST WITH C/S PARKING SCREENS

An Architectural solution to the engineering problem of garage ventilation and vision control.

Capable of spanning large openings for multiple parking levels, C/S Parking Screens offer vision protection to adjacent buildings and the street below from automobile headlights.

C/S Parking Screens are offered in a wide array of patterns, varying in width depth and free area for adequate air exchange. From simple vertical lines to elaborate designs, C/S Parking Screens can span normal floor levels without intermediate supports.



VERT-A-CADE 1000, 54% free area



VERT-A-CADE 304, 60% free area





BRING YOUR CAR PARK TO LIFE WITH C/S LIGHTING

The cost of operating car parks are on the rise. One of the most significant costs hitting the bottom line comes from utility expenditures like lighting. Typical parking structures operate 24 hours a day, seven days a week. That's a lot of wasted energy and maintenance costs when using traditional light sources.

C/S has recently introduced Programmable Automated Lighting Systems (PALS) which will transform your car park into an intelligent automated system all while helping you increase your bottom-line.

PALS will not only save you money but with built-in intelligent mechanisms and advanced illumination performance it will also make your visitors feel more secure and keep them coming back.



C/S SOLUTIONS FOR CAR PARKS:

ACROVYN®
WALL, DOOR &
CORNER PROTECTION

LOUVRES
PERFORMANCE,
SCREENING & STANDARD

ALLWAY®
EXPANSION JOINT
COVERS

CRYSTALLINE™
STAIR NOSING

PEDISYSTEMS®
ENTRANCE MATTING
SYSTEMS

LIGHTING®
PROGRAMMABLE
AUTOMATED
LIGHTING SYSTEMS

RELIABLE
& DURABLE
SOLUTIONS
SPECIFICALLY
DESIGNED
FOR CAR PARK
FACILITIES

For a full list of our products and services please visit:
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 www.linkedin.com/company/construction-specialties