

## Sydney Games Cauldron On Show



*The Olympic Cauldron was re-ignited on the evening of September 15, one year to the day after it first burst into flame. As the new centrepiece for Sydney Olympic Park, the cauldron features a water curtain emulating the moment the cauldron rose from the water during the Olympic Games Opening Ceremony. The cauldron now sits in 'The Overflow' between Stadium Australia and the Olympic Park Railway Station.*

The cauldron, measuring ten (10) metres in diameter and weighing approximately seven (7) tonnes is constructed of stainless steel. Following the Sydney Olympic Games, the cauldron was disassembled and transported in sections to Kurnell (NSW) by road. It was then refurbished to accommodate a new burner system and structural base.

The cauldron now stands on twenty-four (24) stainless steel columns. The names of Olympic and Paralympic medal-winning athletes are recorded in the pavement radiating out from its base.

The cauldron required a drainage system that traced the radial contour to capture runoff from the water curtain feature. The captured water is recycled.



**ACO** supplied forty-two (42) metres of **stainless steel squarebar grating and frame**, set in the required radial pattern in the pavement. The **ACO** product was specified due to its superior aesthetic appearance and compliance to stringent pedestrian access safety standards.

Numerous **ACO** products were installed in athletics tracks, sporting venues and at the Olympic Park Railway Station. **ACO** products have been supplied to Olympic Games since 1972, (except Moscow).

## NEW PRODUCTS



**Hermelock Access Covers**  
See rear cover



**Type 5 Plastic Pit**  
See rear cover



**Bespoke Stainless Steel**  
See rear cover

For further product  
information, or,  
CAD specification  
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nearest sales office.



# Malaysian Drainage Shipshape

*Located at the southern tip of Malaysia lies the new terminal facility at the port of Johor Bahru.*

As part of the design for the new facility, the engineers required a drainage system that would satisfy a variety of requirements, including:-

- Restricting the pavement to two-way falls.
- Trafficability of extra heavy duty wheel loadings.
- Surface drainage system to act as a restraint for block pavers.

The engineers determined a line drainage system was best suited for this project. The **ACO DRAIN S300 stepped channel system** met all the demands of the project.

The system features eight (8) bolts per metre of grating for superior security and an integrally-cast, ductile iron, edge rail. The system will withstand loads to Class G (AS3996-1992).

*“Surface drainage system to act as a restraint for block pavers.”*

A total of 1,000 metres of **ACO DRAIN S300 stepped channel system** was used in the project. The development of the port was an initiative by the Malaysian Government. Its ideal location ensures it is strategically positioned to actively compete with other established south-east Asian ports, such as Singapore and Hong Kong.



## Expansion for New Demand

*Canberra International Airport has undergone a \$7 million expansion increasing the size of new apron and existing aircraft parking space by a third. This enables the airport to accommodate greater volumes of air traffic.*

The new apron clears the way for a significant reduction in turn around times and costs in servicing aircraft. It is the first apron built at Canberra International Airport in 28 years.

The project involved construction of approximately 3 kilometres of access roads and 35,000 square metres of aircraft parking and apron. More than 200 **ACO CABLEMATE cable jointing pits** were supplied as electrical and communication enclosures. Drainage of the airside apron required approximately 300 metres of **ACO DRAIN S300 channel and grating system**. This channel system is designed to withstand loads of Class G (AS3996-1992) when installed correctly.

**S300 channel** is particularly efficient at water dispersal and with eight (8) bolts per metre of channel, the grating is secure.

**ACO's** ability to provide a range of products to suit the expansion project were of benefit to the contractors.



## ANZAC Hall

*The Australian War Memorial's major expansion is complete. At a cost of \$11.9 million, the project has added 100,000 square metres of additional space.*

Situated at the rear of the memorial building, ANZAC Hall features an innovative fan-shaped layout which complements the existing memorial building and its surrounds. **ACO DRAIN K100S and S100 channel systems with 'Heelguard' grating** were installed. Numerous mitre cuts were required to install the channel and grating on a radial curve to achieve the optimum aesthetic result.



# Qld Commuter Success Story

*The Queensland Government invested \$350M in the South East Busway Project making it the cornerstone of the Government's South East Transit Project. This is one of the country's foremost public transport innovations.*

The 16km busway stretches from Eight Mile Plains to the Queen St Mall through ten (10) state of the art stations. It has the potential to carry 11,000 commuters per hour in each direction.

*"ACO has played a significant part in the overall success of the project."*

After 6 months in operation, Queensland Transport Minister Steve Bredhauer publicly hailed the new public transport system a complete success story. The busway has sparked a 30% increase in bus passengers from the southern suburbs to 12,000 commuters per week. (Source: Brisbane Courier Mail)

ACO has played a significant part in the overall success of the project. At Greenslopes Station ACO supplied 170 metres of **ACO DRAIN K100S with intercept ductile iron grating** (Class E) to drain the bus carriageway. **ACO DRAIN KS100S with its integrally-cast, stainless steel, edge rail and 'Heelguard S' stainless steel grate** was used in the platform areas.

**ACO ACCESS recessed galvanised steel access covers** were chosen to provide discreet access points for services on the platforms. The deep pan cover accepts a variety of pavement finishes such as coloured concrete, pavers and tiles. The covers preserve the visual continuity of the pavement throughout the platforms.



For a more aesthetic finish, the covers were fitted with stainless steel edging.

## ANZAC Memorial

*new exhibition space, ANZAC Hall n, the new hall provides 3,000*



## Washdown for RAAF Edinburgh

*ACO's Design Services were approached by URS Australia Pty Ltd and asked to provide a heavy duty, high capacity drainage solution for the DEO's refurbishment of one of its washdown facilities at RAAF Edinburgh in Adelaide.*



The variable ground slopes of this project presented the challenge of moving the runoff in the channel to higher ground for the connection to the existing drainage network.

The introduction of concrete infill in both **ACO DRAIN's S300 stepped channel system** runs ensured a consistently graded invert to the discharge points. This provided the designer with an efficient economic solution as well as allowing runoff to move with sufficient self-cleansing velocity within the channel. 166 metres of the system were installed in quick time and with minimal disruption to daily RAAF operations.

# ULTRA Lightweight Manhole Covers

**ACO Polycrete has been appointed the Distributor of HERMELOCK manhole covers.**

Manufactured from recyclable composite materials, **HERMELOCK** high strength covers can be easily and safely lifted by one person without any mechanical assistance. Available in a variety of sizes and in square, circular and rectangular designs.

The range of covers is designed to meet Class B and Class D of EN124, which exceeds the requirements of AS3996-1992. A Class D circular cover with a 600mm clear opening, weighs only 41kg compared to cast iron covers that weigh in excess of 100kg.

**HERMELOCK** covers are maintenance free and will not rust.



A double hermetic seal and double locking system prevents unauthorised access.

All covers and frames are black. The surface of the covers may be imprinted, allowing for custom logo inclusion.

Its innovative design, allows for the covers to be suitable for use in aggressive environments such as service stations, petrochemical plants and swimming pools. With high chemical resistance and lightweight characteristics, these covers are the perfect solution.

**For further information, visit our website:**

<http://www.acoaus.com.au>

**or, contact your nearest sales office:**

#### **New South Wales**

185 Briens Road  
Northmead NSW 2152  
Telephone 02 9630 2788  
Facsimile 02 9630 2733  
email sales@acoaus.com.au

#### **Victoria**

9 Overseas Drive  
Noble Park VIC 3174  
Telephone 03 9795 3666  
Facsimile 03 9795 6444  
email acovic@acoaus.com.au

#### **Queensland**

10-16 Lensworth Street  
Coopers Plains QLD 4108  
Telephone 07 3219 6222  
Facsimile 07 3219 6333  
email acoqld@acoaus.com.au

#### **Sales Agents**

##### **South Australia**

Bianco Building Supplies  
Telephone 08 8336 6666  
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##### **New Zealand**

Dux Industries  
Telephone 04 567 8900  
Facsimile 04 567 8904

##### **Mico Wakefield**

Telephone 09 622 0963  
Facsimile 09 622 0943

## Increased Electrical Pit Range

**ACO now has released a Telstra Approved Type 5 plastic pit.**

The pit accommodates standard, lockable, military or recessed style lids.

Ask your **ACO Representative** for a **CABLEMATE** catalogue detailing the full range of cable jointing pits, ducting, covers to suit and accessories.



## Stainless Steel Systems

**ACO has developed a new, easy-to-use specification leaflet for the selection of bespoke stainless steel channel and grating systems.**

The channel drainage system from **ACO STAINLESS** consists of channels, frames and gratings manufactured from stainless steel.

The range is ideal for applications where corrosion resistance or hygiene is a major requirement. Typical applications include commercial kitchens, hospitals, abattoirs, chemical plants, swimming pools, food & drink processing plants, doorways and balconies.



#### **ACO Polycrete Pty Ltd**

ACN 050 102 942

#### **Head Office Administration**

185 Briens Road  
Northmead NSW 2152  
Telephone 02 9630 2788  
Facsimile 02 9630 2733  
email sales@acoaus.com.au