

# ACO Water Management



## ACO Qmax installed at Sydney International Airport

**Project:**

Qantas maintenance facility development at Sydney International Airport.

**Client:**

Woolacotts Consulting Engineers.

**Brief:**

To provide an effective surface water drainage solution eliminating the possibility of loose grates as other trench grate and frame systems have failed.

**Solution:**

Design Engineers opted for ACO's Qmax 225 slotted drainage system with its heavy duty galvanised frame and which does not compromise removable grates.



Qantas have recently built a new aircraft maintenance facility at Sydney International Airport to accommodate its new fleet of Airbus A380 aircraft.

Sydney Airport Corporation gave a directive to designers to eliminate the possibility of loose grates. This is a direct result of ongoing rectification works from the existing trench grate and frame systems that have failed.

Engineers therefore opted for ACO's Qmax. This system, with its heavy duty galvanised frame, does not comprise removeable grates, is rated to 900kN (EN1433) and therefore suitable for aircraft wheel loads. In addition to this, its HDPE body was sized adequately to meet the hydraulic requirements of the project.



ACO's Qmax family of products.

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