



ACO Drain® - KlassikDrain

Case Study

National Portrait Gallery, Canberra ACT

The National Portrait Gallery holds a collection of portraits of prominent Australians. The collection was established in 1998 and until 2008, it was housed in Old Parliament House. In December 2008, the National Portrait Gallery opened beside the High Court of Australia on King Edward Terrace by then Prime Minister, Kevin Rudd.

Project Design Brief

During a recent transformation of open space around one side of the building, new pavements and landscaped gardens were laid. Designers wanted to keep the pavements flat and therefore required a linear drainage system to efficiently remove rainwater runoff from the pavements. Consideration was also given to the area's dense pedestrian traffic, so designers required a drainage system that would meet legislative requirements around slip resistance and stiletto heel resistance.

ACO's Solution

- **KlassikDrain** KS100 with Stainless 5 Star **Heelsafe**® *Anti-Slip* grates
- Based on the site-specific catchment hydraulics, ACO's Technical Services Department provided designers with hydraulic data to confirm the channels could discharge the runoff without surcharging.

Benefits

- With multiple outlets located around the run length, the built-in 0.5% channel fall ensures water can flow to the outlets efficiently
- Stainless 5 Star **Heelsafe**® *Anti-Slip* grates met the pedestrian safety requirements to AS 4586 and AS 3996

Other ACO products used

- Trench drainage systems (ACO Drain®)

