

NATIONAL PORTRAIT GALLERY STAGE 1

VALUE	\$1.2M
YEAR	2017
DURATION	4 months
CLIENT	Department of Finance
REFEREE	Mick Armour
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SUMMARY

A decade after construction of the National Portrait Gallery, the basement waterproof membrane showed signs of failure, threatening the integrity of the building and valuable artworks. To remediate the issue, a new waterproof membrane was proposed to be installed in two stages over the building footprint.

Stage one encompassed construction at the Western Courtyard and Café Terrace, removing existing pavements, installing a replacement membrane and reinstating the pavement to a matched finish. Stage two, to be completed in 2019, will see the remaining areas of the building waterproofed. Complex was selected to undertake stage one works with a tight deadline for completion and strict requirements for noise, vibration and dust minimization.

The key features of the project included; match finishes to existing high quality works, demolition with minimal vibration, night works, restricted working hours, exposed aggregate polished concrete, confined work areas and access, terrazzo marble paving and wall cladding, RGBW LED strip and up-lighting, "Wolfen" waterproof membrane and bespoke stainless steel strip drains. The works were extremely successful and met high regard from the client, architect and building management.

PROJECT FEATURES

Vibration and noise monitoring	Two tone oxide concrete with banding
Dust mitigation	Terrazzo marble segmental paving
Construction within an operational gallery	Terrazzo marble wall cladding
Matched finishes to existing	"Wolfen" waterproof membrane
Strict deadlines for completion	Temporary waterproof protection
Night works	Shock matting
Protection of building HVAC systems	RGBW LED strip and up-lighting
Exposed aggregate polished concrete	Sound suppressing hoarding