

PARADISE STREET CAR PARK SCREENING, LIVERPOOL, UK



Following construction of the Paradise Street car park in Liverpool, a privacy screen was required as the car park overlooks the neighbouring police station. A translucent screen was preferred to enable daylight to illuminate the interior of the car park.

Gurit were contracted by AM Structures (Isle of Wight), to design and optimise the panels and laminate specification for the structure. The aim was to minimise the number of fixation points for the screen panels whilst ensuring that the laminate was thin enough to allow sufficient transmission of light.

Gurit made use of finite element analysis to analyse the behaviour of the panels under wind and dead loads, and then to optimise the geometry and laminate specification to enable fixation of the panels on six metre centres.

The 1400m² of panels were laminated using glass fibre reinforcements supplied by Gurit, and successfully installed in 2005.