CASE STUDY
Quadrant MSCP - Swansea

PROJECT
Quadrant MSCP, Swansea

STRUCTURE
Insitu reinforced concrete, waffle slab construction – circa 600 spaces

CLIENT
City and County of Swansea

CONTRACT VALUE
Circa £920,000

CONTRACT DETAILS
This insitu reinforced concrete car park was built in 1960's and serves the busy Quadrant Shopping Centre and also feeds directly into the Debenhams store. Whilst it had been maintained over the years, corrosion of the reinforcing steel, specifically in the structural rib, was becoming more of an issue on the lower levels. The project was designed to address the issue of structural deterioration and completely uplift the parking environment to maximise the car parks potential.

The works involved concrete repair including surface applied corrosion inhibitor to some deck areas, this application, in common with the others, will be the subject of ongoing assessment. Anti-carbonation coatings to all exposed concrete surfaces. The painting also included complete works to the 3 No stair/lift cores. Complete upgrade of the lighting system, giving greater levels of lighting. The HRA to the ground level, was overcoated with a coloured deck coating, as were all other levels. To complete the project, the external parapet cladding, was renewed and upgraded using a composite board system. Alterations and modernisation of the Customer Services and PA's rest room also took place. The car park now has 'Secure Car Park' accreditation

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