



Fareham Car Park Fareham

Case Study

Meggit Avionics produce flight data sensors, systems and displays for all types of civil and military aircraft, including helicopters and unmanned aerial systems (UAS) drones. At their high-tech facilities in Fareham, success meant that they needed to provide more parking for the growing number of people and teams working on the site.

The solution was provided by Metpark UK in a complete car park design and build contract, which provided a new raised parking level, built directly above their existing surface car park, which added a further 63 spaces. This included a new structural steel frame, with composite flooring, steel access staircases and crash barriers, waterproof deck surfacing and bay marking. The design used structural expansion joints through the composite deck to accommodate movement in the structure, which required these joints to be a nominal 40mm wide and with a high movement capability, which was potentially up to +/- 50% (i.e. for 100% joint movement capability).

The high performance Emshield DSM system was used to seal these joints and meet all these requirements, plus the Emshield DSM system is easily installed from above, so other trades can continue uninterrupted below, and it is bonded into position with structural epoxy adhesive, so there is no drilling and no potential damage to sound concrete elements of the decks.



Client:
Meggit Avionics, Fareham

Design & Build Contractor:
Metpark

Specialist Contractor:
Thelwell Flooring

Main Products Used:
Emseal DSM System

For More Information:
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