

CASE STUDY

Buried Waterproof Systems

MAKERS

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PROJECT

Liverpool Plaza

STRUCTURE

Car Park Roof

CLIENT

Bruntwood

CONTRACT VALUE

£120,000 circa

CONTRACT



Situated at 100 Old Hall Street, Liverpool, the Old Sir John Moores building is a 14 storey structure built in 1965, now known as the Liverpool Plaza. Acquired by Bruntwood In 2003, the building now houses commercial offices.

It was originally the head office building for Littlewoods catalogue retailer and has been refurbished by its new owners.

Makers were called upon to carry out re-waterproofing works to the buried roof using Sika Decothane Balcons - a high performance waterproof solution that utilises a moisture triggered curing system, and also carry out additional re-bedding and re-pointing of the coping stones to the front wall of the Liverpool Plaza building / terrace.

As with most walkways and terraces are constructed from concrete with an asphalt waterproofing membrane, without protection these substrates will inevitably crack and erode.



Relay of Slabs



Waterproof Layer

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Upstand



Layering of Waterproofing



Preparation of Existing Substrate

As with most walkways and terraces they are constantly being exposed to the elements of the British Weather, and the buried roof had become prone to cracks and leaks. Water penetration was seeping down into the car park below so it was vital to carry out these works straightaway in order that no further damage would incur to the car park underneath.

Following investigation and report, Makers were employed to work on 3 different areas which included 2 areas to the front elevation, where the existing screed was removed and slabs were set aside ready for reinstatement. Sika Liquid Plastic Decothane Balcons 20 System was applied and pedestals were installed prior to slab reinstatement to build up levels. Slabs were relaid and areas were made good.



Area 3 Rear Elevation the tarmac entrance areas were removed and the application of Sika Waterproofing system was applied.

The existing movement joint was carefully removed, the substrate prepared and a new Emseal DSM Joint was installed. The Sika liquid plastics system was applied to all affected areas including upstand sections of the external wall. A new bin store with a 3m high Procter Fencing system was also installed to replace the 3 sided studding and plywood wall.

Works come with a manufacturer's guarantee of 20 years.

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