

# CASE STUDY

## Car Park Refurbishment

# MAKERS

...makes the difference

### PROJECT

Regent Arcade Shopping Centre Cheltenham

### STRUCTURE

Retail and Commercial

### CLIENT

Canada Life

### CONTRACT VALUE

£830,000

### CONTRACT



As part of the ongoing investment at Regent Arcade Makers have been involved in the waterproofing on the exposed asphalt topdecks undertaken in 2011 and more recently the coating, restatement and replacement of expansion joints to the interdeck levels in 2013

The Regent Arcade Shopping Centre is situated in the heart of Cheltenham town centre and is key to the shopping experience providing centrally located parking to retail and the Everyman Theatre. Originally built in 1980's, it has undergone major investment in recent years, as a result the 500 space car park was in need of a facelift to compliment the Regent Arcades recent refurbishment.

Makers proposed the use of Triflex DFS external system negating the need to replace the original asphalt surface ,allowing the introduction of colour for designated disabled, parent and child spaces. Coupled with isolated repairs and the installation of the EMSEAL DSM expansion joint Makers were able to offer a robust waterproofing solution saving time & money allowing the centre to remain open during the refurbishment works.

T : 08458 994444  
F : 01543 480676  
E : sales@makers.biz  
W : www.makers.biz

Makers Office Building 4,  
Shenstone Business Park  
Lynn Lane, Shenstone, WS14 0SB

Registered in England No: 6348341 Registered Office as above



Cracks and repairs in asphalt



Triflex DFS external to asphalt

## Association Membership



## Accreditations



# CASE STUDY

## EMSEAL DSM Expansion Joint

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Existing



Block out formed



Emseal DSM installed

Makers installed the EMSEAL DSM expansion joint system to both external and interdeck situations. The EMSEAL joint was specifically designed for the Regent Arcade and the product is ideally suited for car park application due to the watertight, traffic durable, tensionless and quality installation features. The EMSEAL joint also links with an universal 90 degree bend and is capable of being installed in both vertical and horizontal locations.

Within the EMSEAL range, there is a system to suit every application, ensuring complete waterproofing capabilities to joint detail areas.

## Car Parking - Over Coating Asphalt



Makers proposed the use of the TRIFLEX DFS system to eliminate the cost and disruption to the Regent Arcade Shopping Centre of removing and replacing the existing asphalt surface. After necessary substrate testing the TRIFLEX DFS external system was approved. This heavy duty, thick layer was reinforced at specific designated locations providing a coloured durable waterproofing, anti skid wearing layer. The system protects the underlying structure through prevention of water ingress, chloride and carbonation whilst at the same time providing protection from freeze thaw mechanisms and other damaging influences. Furthermore the system is ideal for overlaying failed or failing asphalt buildups, thereby avoiding the risks, costs and disruption associated with total asphalt removal.

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