

# Joint Venture

Expansion and Contraction – remember those physics lessons at school? The unique nature of Car Park Structures make these lessons even more important. High thermal stresses, large variances in daily loading due to cyclical use and exposure to the elements all compound the situation and encourage structural movement.

In such circumstances waterproofing the car park decks is critical to both ensure the structural longevity of the building and also to ensure that the users are not inconvenienced by potentially damaging drips on their car paintwork.

At Wilmslow, developer P E Jones selected a waterproofing combination of BASF Conideck products which combine cost effectiveness with targeted protection. USL StructureCare were able to assist in their decision to ensure the correct products were chosen for the appropriate application.



**Figure 1: The UCP joint by USL StructureCare is designed to interact completely with waterproofing systems such as Conideck.**

Whilst there was not a requirement for movement joints at Wilmslow, USL StructureCare are achieving notable success by offering clients a one-stop-shop for the complete Waterproofing Package of Movement Joints and Waterproof Coatings. The movement joints are uniquely manufactured, supplied and installed in-house and therefore full responsibility for their performance lies with StructureCare. The joints for Car Parks, principally the UCP joint, have been developed from the company's market leading Bridge Joint technology which is used worldwide, adapted for the car park market.

Critically, the joint is designed to interact perfectly with the Conideck range of car deck products, for which USL StructureCare are licensed applicators, without undue risk of failure at the interface. This combination of Joints and Waterproofing offers the client an excellent technical solution, whilst all the time knowing that should problems occur there is only one point of contact for remedial works.



**FOR MORE INFORMATION PLEASE CONTACT US:**

## **USL STRUCTURECARE**

Kingston House  
3 Walton Road  
Pattinson North  
Washington  
Tyne & Wear  
NE38 8QA  
United Kingdom

t: +44(0)191 416 1530  
f: +44(0)191 415 4377  
w: [www.usluk.com](http://www.usluk.com)  
e: [info@usluk.com](mailto:info@usluk.com)