Award winning & turn-key refurbishment solutions for car park structures
USL StructureCare forms part of the USL Group of companies established over 30 years ago. Evolving from the group’s expertise in the field of structural waterproofing, USL StructureCare offer high quality bespoke solutions to owners and managers of multi-storey, rooftop and underground car parks as well as elevated service decks, and are proud to have won numerous industry related awards.

We recognise that car park facilities vary considerably in terms of age, condition, build-type and of course end user, and understand that a ‘one size fits all’ approach does not work.

Using a range of state of the art, high performance, proprietary systems, our directly employed and highly skilled workforce will therefore work with you, to find the right solution and methodology for your structure, taking into account factors unique to your car park.

Our key differentiator within this niche market, is derived from our strategic status as both manufacturer and installer of cutting edge and innovative products, allowing us to promote the unrivaled benefits of single point responsibility. These include concrete repair systems, protective coatings and sealants, expansion joints and the market leading DeckProtect+ coating system.
The provision of user friendly, safe and aesthetically pleasing parking is a key factor in the success of any commercial development. However, the Multi Storey Car Park (MSCP) is a unique building with a range of specific problems that need to be addressed.

MSCP’s are built using varying methods of construction with cost often being the primary consideration in their design. Accordingly, suitably protective measures are often sacrificed at construction phase, ignoring the ethos of life cycle costing principles.

With this in mind, protective coatings and effective weatherproofing measures should be a primary consideration in a new structure.

In existing car parks, there is often visual evidence to demonstrate the effect of insufficient protection. Whilst repairs and protective coatings at this stage are often reactive measures, careful material specifications and good choice of experienced contractors can return the car park to a high level of decorative and structural well-being.

Key:
1. Elastomeric waterproofing systems
2. Intermediate deck coatings
3. Robust movement joints
4. Anti-carbonation and anti-graffiti coatings
5. Mastic asphalt for elevated vehicle decks
6. Surface car parks
7. Specialised concrete repair techniques and corrosion mitigation
8. State of the art lighting and CCTV systems
9. Structural surveying and testing
10. Vehicle barriers
11. Ticket machines
USL StructureCare are market leaders in the manufacture, supply and installation of movement joints which have been carefully developed to provide a safe, efficient and economical method of sealing construction gaps. Our car park joints utilise the proven design technology successfully used in the Highways Agency approved BEJ range of expansion joints which are extensively used throughout Britain’s motorway and truck road network.

Applications:
• Car parks including podium decks
• Footbridges
• Access and egress ramps
• Service decks

Benefits:
- Over 30 years use in multi-storey car park protection and refurbishment
- Specialist labour force highly experienced in car park movement joint manufacture and installation
- Rapid curing products and support phasing to minimize disruption in busy car parks
- Proprietary and bespoke jointing solutions
- Installed in conjunction with all waterproofing systems
- Single Point Responsibility Guarantee

Decorative Anti-Carbonation Coatings

An unpainted car park not only appears dour and uninviting to the parking public, but is also exposed to serious structural deterioration caused by the process of carbonation. USL StructureCare undertake decoration and anti-carbonation processes using coatings designed to drastically reduce the diffusion rate of carbon dioxide into concrete. These systems also provide a highly durable, weather resistant surface which will maintain their anti-carbonation properties over many years.

Benefits:
- Rapid curing
- Excellent adhesion to all surfaces
- Damaged areas can easily be re-coated and re-treated after many years
- Highly economical
- Extremely durable and weather resistant coatings
- Aesthetically pleasing
- Conforms to BS EN 1504
Mastic Asphalt

**Benefits:**

- BBA certification
- Advanced polymer modification
- Seamless waterproofing
- Long term durability
- Enhanced product stability across a wide temperature range
- High fatigue resistance - suitable to receive heavy goods vehicles
- Traditional application
- Manufactured in the UK under BS ISO 9000 Quality Assurance Scheme

**Applied by traditional asphalt techniques the system is a result of extensive research and development and the careful selection of polymers to provide improved performance in vehicle deck specifications.**

**The system is suitable for a number of applications including pedestrian walkways, car parks, HGV service decks and access ramps.**

Concrete Repair Solutions & Corrosion Mitigation

**Benefits:**

- Compliant with European Standard EN 1504
- Concrete repairs fully compatible with deck coating systems
- High build and lightweight repair systems available
- Corrosion Mitigation compliant with BS EN 12696

**USL StructureCare are able to offer a wide range of concrete repair services, ranging from traditional methods through to advanced solutions such as cathodic protection.**

**We are a leading specialist in the field of corrosion mitigation and prevention including galvanic and hybrid anodes, as well as ICCP.**

**Using a range of products and systems supplied by some of the world’s largest construction chemical companies through to our own inter group company, Nufins, we are able to provide cost effective, technically advanced solutions for various repair criteria.**

Surface Car Parks

**Benefits:**

- Quick to Lay
- Cost Effective
- Sustainable
- Durable
- Waterproof
- Versatile
- Maintenance
- Decorative & anti-slip walkways
- Areas can be utilised a few hours after laying
- In house tactile paving and drainage solutions

**USL StructureCare undertake detailed structural surveys and testing of multi storey car parks as required by our client’s specific needs.**

**Testing can include reinforcement cover surveys, depth of carbonation measurements, half-cell potential measurements, and dust sample analysis to determine chloride ion and cement content.**

**These tests allow the client to fully understand the condition of their car park and form the basis of a repair scope of works and a Life Care Plan.**

**Surface car parks are much more common than multi storey car parks. Defects including potholes, depressions, incorrect falls and aggregate loss can cause a real safety threat to the users of these facilities.**

**There are many potential options that can be provided when working with Asphalt or Macadam from full car park constructions to surface course replacements and overlays. Whatever you have in mind for your refurbishment there will be an Asphalt or Macadam system to suit practicalities and budgets.**

**We use a combination of the latest machine technologies and traditional hand lay methods tailored to making your refurbishment an easy transition.**