

Helping you protect your  
car park for the long term.

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**www.gcpat.com**

GCP Applied Technologies (GCP) acquired Stirling Lloyd in 2017. Together, we have a new and powerful combination of expertise, product innovation and global support that we call our Combined Advantage.

Stirling Lloyd's revolutionary structural and bridge deck waterproofing, wearing course and highway maintenance solutions have been successfully protecting infrastructure around the world.

Our unique combination of service, expertise and class leading products help customers the world over in solving some of the most complex construction challenges.



Car Park Protective Coatings

& Movement Joints

Standing the Test of Time.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

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**Blue360**<sup>SM</sup>  
ADVANTAGE

**DECSEAL**<sup>®</sup>

PROVEN TO STAND THE TEST OF TIME



# Long term protection for your car parks.

**Stirling Lloyd (now GCP) led the way in cold spray applied waterproofing, helping to overcome the complex challenges associated with car parks.**

Car parks are an extremely demanding environment for surfacing and waterproofing.

They are generally lightweight structures, with high traffic areas, subject to high loading and stress.

They feel the force of daily and seasonal temperature changes, water and pollutant ingress.

This hostile environment makes Multi Storey Car Parks (MSCP's) prone to cracking, and corrosion due to the presence of chlorides and carbonation without the effective protection.

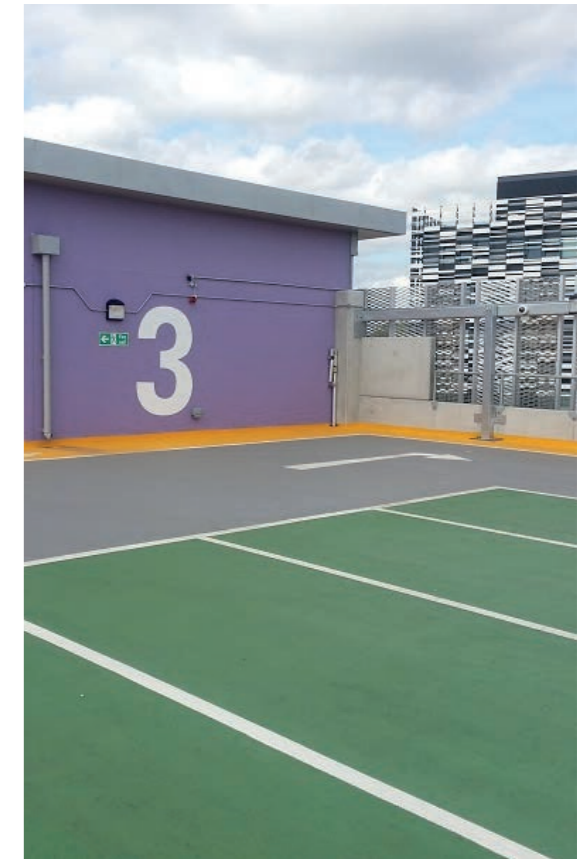
# Meeting the needs of new build and refurbishment projects.

**For new build car parks, the combination of effective long lasting protection with an aesthetically pleasing finish are central considerations to the overall design.**

**With refurbishment projects, visual deterioration may be the first sign, but at this point, corrosive process is likely to be underway and delaying repair can be extremely costly.**

In addition to protecting the structure, it's increasingly important for the success of any commercial development to ensure that the environment is welcoming, user friendly, safe and aesthetically pleasing.

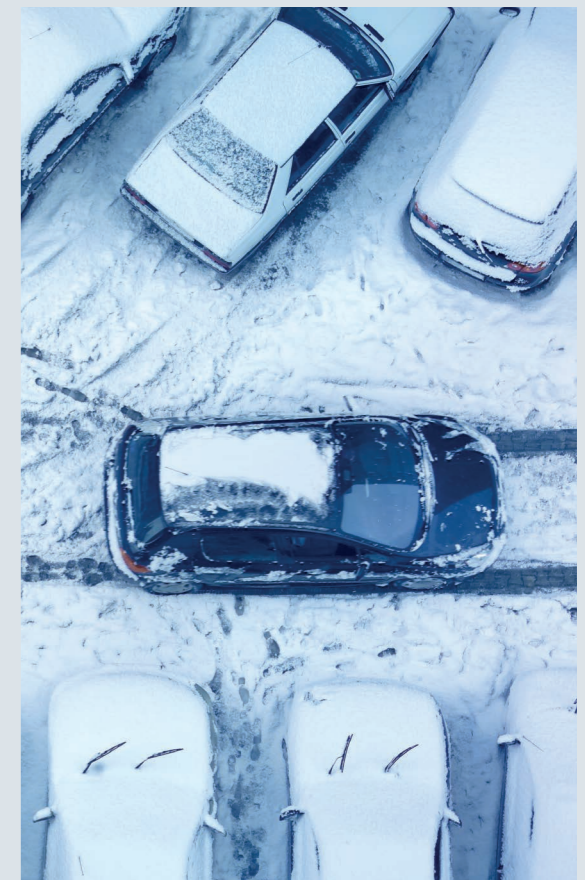
**Proven protective systems are vital to minimise deterioration and costly repairs.**



## CAR PARKS KEY CONSIDERATIONS

**Car park structures are generally of lightweight construction and subject to particularly harsh conditions including:**

- Open to the environment; roof and sides
- Daily and seasonal temperature change
- Water & pollution ingress
- Often loaded and unloaded to capacity daily
- Concentrated stress from braking and turning vehicles
- De-icing salts and exhaust pollution from cars
- Prone to cracking, allowing penetration of chlorides and carbonation
- Low cover to the steel reinforcing, joint failure and poor maintenance regimes add to the issues
- Project demands - shorter time frames, tight budgets and reducing maintenance costs





# Successfully protecting car parks since 1989

GCP's range of solutions deliver proven long lasting protection, reducing disruption through maintenance and improved whole life costs.



## Our Car Park Solutions.

The DECSEAL® 2-in-1 waterproofing and slip-resistant wearing course system, SAFETRACK® range of highway maintenance solutions and SENTINEL® expansion joints provide all the protection and coloured surfacing you need to achieve fast, effective and long-lasting results.

Developed & manufactured by GCP's dedicated and experienced team at our in house facility, the proprietary resin technology ESSELAC® provides a unique mix of characteristics that ensures our solutions deliver for the long-term, whatever combination of structural waterproofing, colour demarcation, crack filling or high friction surfacing is required.

All solutions are designed to be fast and simple to apply and deliver long lasting in-situ performance.



### DECSEAL®

#### 2-IN-1 System:

Car park waterproofing and slip-resistant wearing course available in a wide range of colours.

### SAFETRACK®

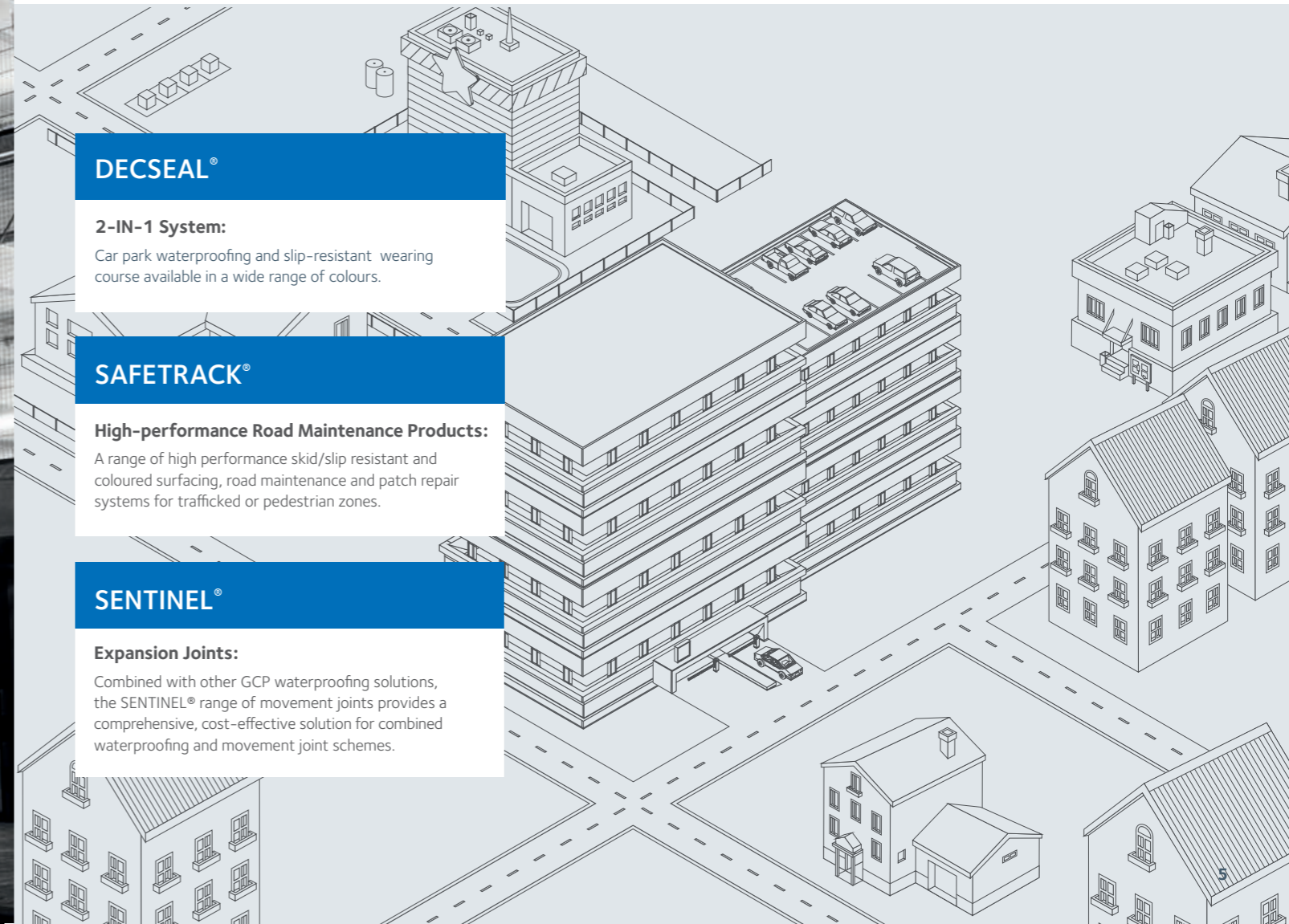
#### High-performance Road Maintenance Products:

A range of high performance skid/slip resistant and coloured surfacing, road maintenance and patch repair systems for trafficked or pedestrian zones.

### SENTINEL®

#### Expansion Joints:

Combined with other GCP waterproofing solutions, the SENTINEL® range of movement joints provides a comprehensive, cost-effective solution for combined waterproofing and movement joint schemes.





# DECSEAL® waterproofing and wearing course system.

GCP's DECSEAL® range pioneered the use of cold spray applied technology for car park waterproofing, offering the benefits of fast, safe and long-lasting protection.

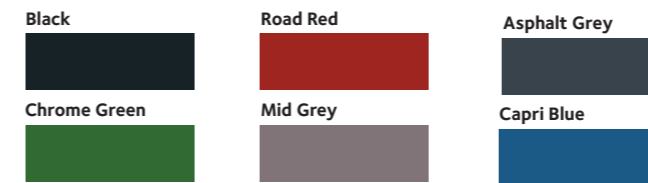
Suitable for use on 7 day old concrete, enabling application to commence as much as 3 weeks earlier than other systems, saving valuable programme time.

## WHY CHOOSE DECSEAL®

- Speed of application
  - suitable for use on 7 day old concrete enabling the application to begin as much as 3 weeks earlier than other systems
  - fast curing (approximately 30 – 40 mins) even at low temperatures
- Cold applied – no hot trades and no 'Hot Work Permits' required
- Ease of repair even after years of service, saving time and money. Never need to remove, simply overlay with new topcoat
- Ease of detailing and formation of day joints
- Unlimited overcoating time eliminates intercoat adhesion issues

The DECSEAL® system is varied to meet the demands of each application:

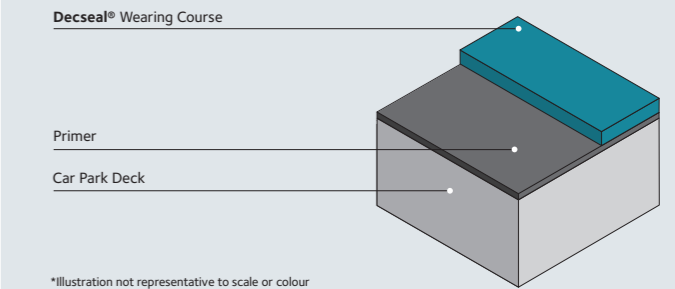
For our full colour range please visit [www.gcpat.com](http://www.gcpat.com) or email us at [StirlingLloyd.Info@gcpat.com](mailto:StirlingLloyd.Info@gcpat.com)



Please note these are for display purposes only and are not an exact representation.

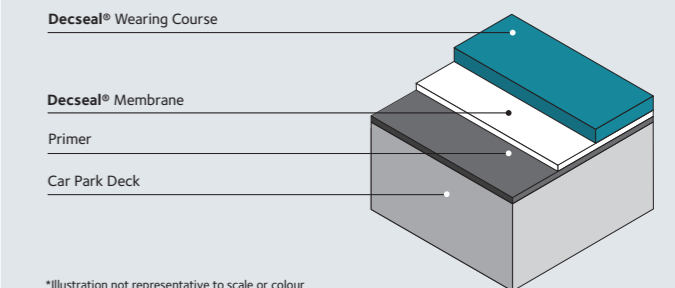
We can match any colour to order.

## INTERDECK



\*Illustration not representative to scale or colour

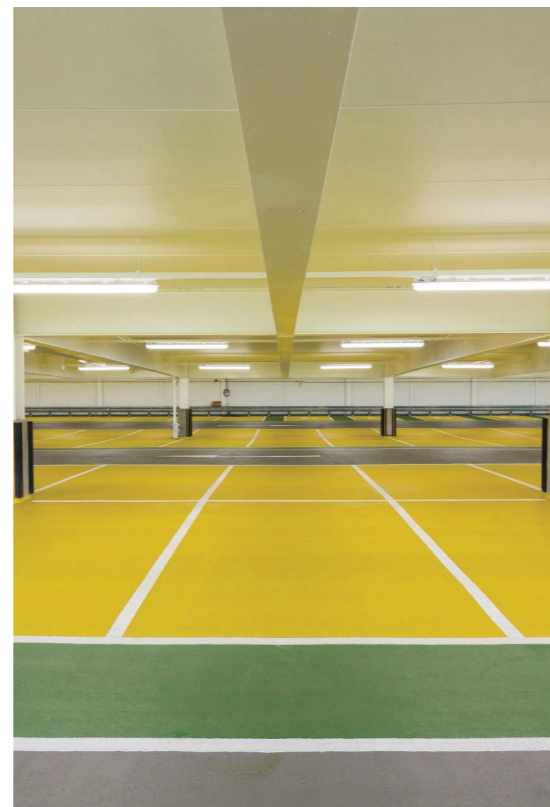
## UNREINFORCED



\*Illustration not representative to scale or colour

## DECSEAL® A COMPLETE SYSTEM

- Primer – to penetrate and seal the substrate and ensure a strong bond between the DECSEAL® system and the substrate
- Waterproofing membrane – high performance, fast curing & seamless
- Targeted use of High Strength Reinforcing Fabrics selected in order to maximise tear strength and crack bridging
- Slip resistant wearing course
  - Coloured throughout its full depth, colour maintained even with surface wear
  - Bauxite aggregates offer exceptional wear and skid resistance
  - 6 standard colours, with bespoke colours available
  - CE Marked and independently tested in compliance with European harmonised standard EN 1504 Pt.2 products and systems for the repair and protection of concrete structures
- >100 years accelerated ageing test result
- Manufactured in-house in the UK to ISO9000
- Independently audited by Bureau Veritas



## Comparison Cure Times

### DECSEAL®:

Monday 8:00 am: Application of primer & cure  
9:20 am: Application of membrane & cure  
11:50 am: Application of wearing course & cure  
13:50 am: Project complete and open to traffic

<6hrs

### DECSEAL®:

Monday 8:00 am: Application of primer & cure  
9:00 am: Application of membrane & cure  
11:30 am: Application of wearing course & cure  
13:20 am: Project complete & open to traffic

<5.5 hrs

### TYPICAL PU SYSTEM:

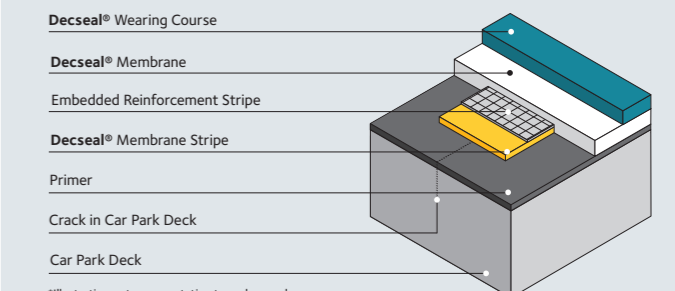
Monday UNABLE TO APPLY BELOW 5°

### TYPICAL PU SYSTEM:

Monday 8:00 am: Application of primer & cure (10hr cure)  
18:30 pm: Application of membrane & cure (16hr cure)  
Tuesday 11:30 am: Application of wearing course & cure (16hr cure)  
Wednesday 4:30 am: Application of sealer (72hr cure)  
Thursday STILL WAITING TO CURE  
Friday STILL WAITING TO CURE  
Saturday 4:30 am: Project complete & open to traffic

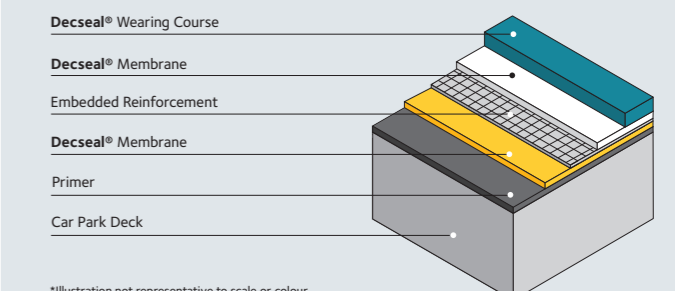
<118 hrs

## PARTIALLY REINFORCED



\*Illustration not representative to scale or colour

## FULLY REINFORCED



\*Illustration not representative to scale or colour

# SAFETRACK® slip resistant coloured surfacing and line marking.

Fully compatible with the DECSEAL® system, the SAFETRACK® range comprises cold applied solutions for skid/slip resistant and coloured surfacing and line marking together with crack and joint filling products.

All products are designed for fast, safe, effective application and long lasting performance.



## WHY CHOOSE SAFETRACK®

**SAFETRACK® HW:**  
High friction surfacing, available with a range of aggregates and skid resistances. Achieves a 'zero erosion index' providing the highest rating for wear resistance.

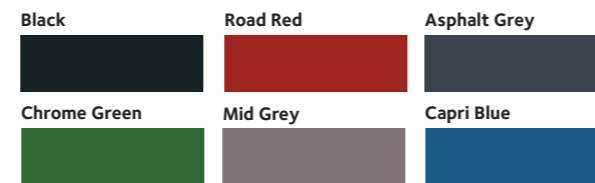
**SAFETRACK® SC:**  
Slip resistant surfacing system in a range of vibrant colours to provide highly visible surface demarcation.

**SAFETRACK® LM:**  
Exceptionally hardwearing and cost-effective, cold-applied line marking system offering long-term durability and colour stability.

**SAFETRACK® Overbanding:**  
For crack and seam overbanding (less than 5mm) with non-reflective finish, retaining long-term skid resistance.

**SAFETRACK® Crack Infill:**  
Cracks and fretted joint infill systems to prevent water ingress.

For our full SAFETRACK® SC colour range please visit [www.gcpat.com](http://www.gcpat.com) or email us at [StirlingLloyd.Info@gcpat.com](mailto:StirlingLloyd.Info@gcpat.com)



Please note these are for display purposes only and are not an exact representation.



WE CAN MATCH ANY COLOUR TO ORDER

# SENTINEL® expansion joints.

Whether a stand-alone installation or as part of a complete waterproofing solution compatible with Decseal for areas where expansion joints are required, the SENTINEL® range provides a comprehensive, cost-effective solution for combined waterproofing and movement joint schemes.



SENTINEL SABA

## WHY CHOOSE SENTINEL®

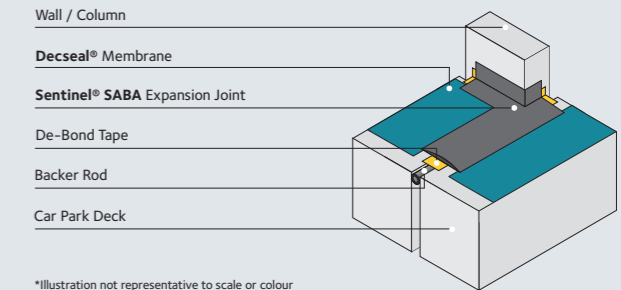
Our SENTINEL® Expansion Joints offer the perfect solutions for car park joints

- A full range of horizontal and vertical joints available, surface mounted to meet the requirements of the project
- Fully compatible with our waterproofing and surfacing products
- Resistant to a wide range of chemicals and oils
- Fast and effective installation
- SENTINEL® Saba is a liquid applied solution which is able to accommodate movement in all three directions and any change in direction between horizontal and vertical surfaces

For more information on our full range of DECSEAL®, SENTINEL® and SAFETRACK® products contact us at [StirlingLloyd.Info@gcpat.com](mailto:StirlingLloyd.Info@gcpat.com) or visit our website [www.gcpat.com](http://www.gcpat.com).

### SENTINEL® SABA

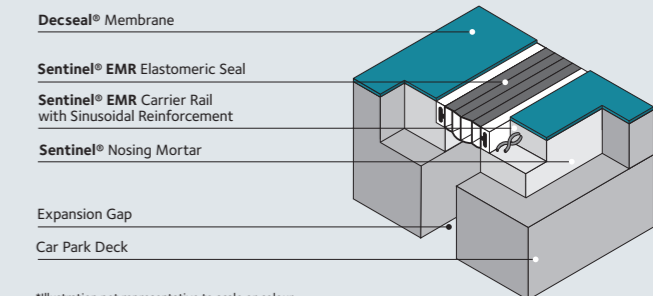
Reinforced Resin  
Expansion joint for complex  
buildings and Car Parks



\*Illustration not representative to scale or colour

### SENTINEL® EMR

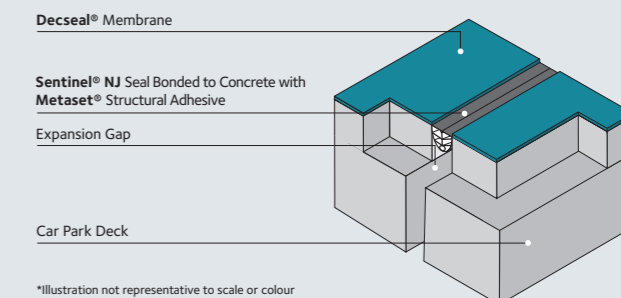
BD33/94 Type 6  
Elastomeric in metal rails



\*Illustration not representative to scale or colour

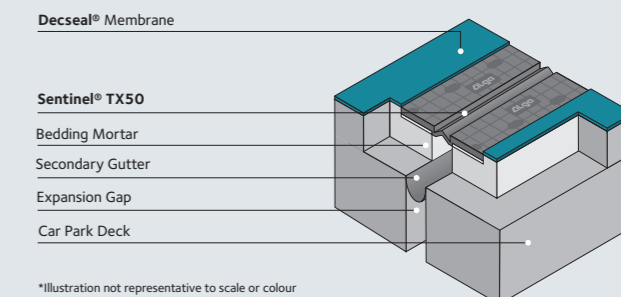
### SENTINEL® NJ

BD33/94 Type 4  
Nosing Joint



\*Illustration not representative to scale or colour

### SENTINEL® TX50



\*Illustration not representative to scale or colour



# We are inspired to influence how the world is built.

Our experience enables us to add value at all stages of the project.

**Blue360<sup>SM</sup> Advantage is an integrated offering of products, technologies and expertise. The Blue360<sup>SM</sup> Advantage offers GCP customers a unique business advantage and a customised suite of products, solutions and support designed to help optimise and grow their business.**

GCP is a key strategic supplier and partner to many leading companies in providing Specialty Construction Chemicals, Specialty Building Products and services. They trust us to provide the products, knowledge, data, technologies, services and people needed to make their products work better, their projects run smoothly and their business thrive.

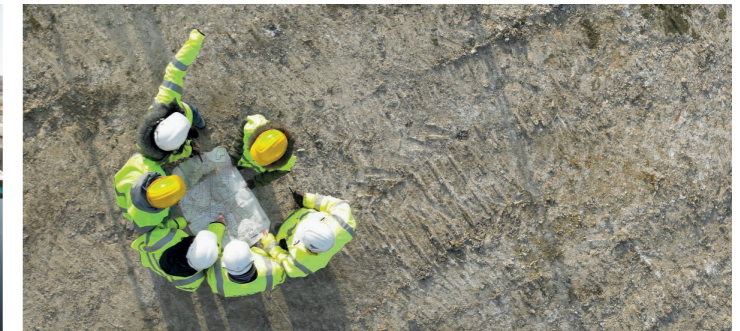
## The Blue 360<sup>SM</sup> Advantage



### 1. TAILORED SEMINARS



### 2. SITE SURVEYS

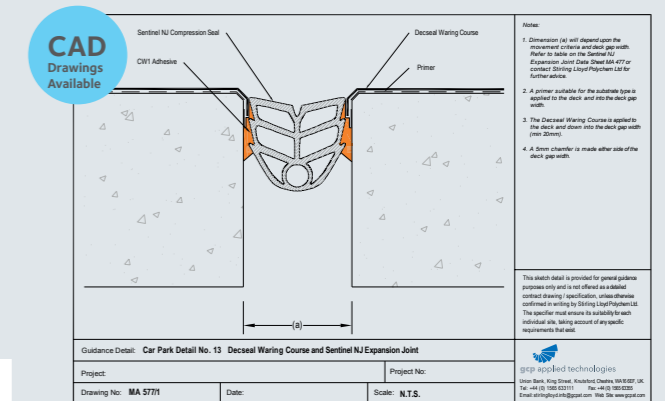


### 3. DESIGN & SPECIFICATION SUPPORT

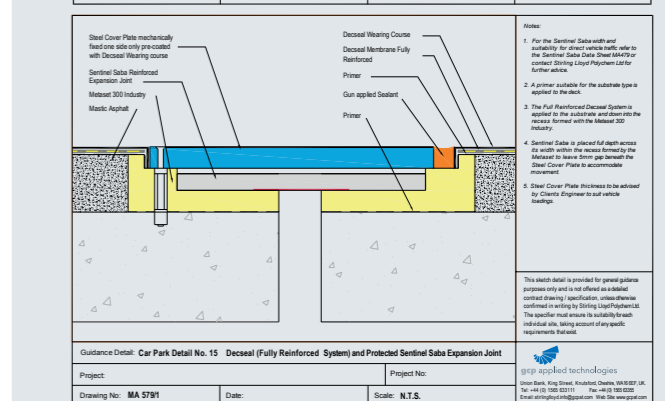
Each project is different and our experienced team works with you to develop project specific drawings.

Our Technical Services team are highly experienced and available throughout the project to provide support and advice as required.

- Preparation of new or repair and overlay if existing concrete and mastic asphalt
- Understanding the consequences of specification decisions
- Detailing requirements
- Site programme



### 4. IN HOUSE R&D FACILITIES



### 5. APPLICATION AND TESTING

Our systems are only applied by GCP Authorised Contractors. They are fully trained and experienced in the application of our systems, regularly audited and chosen for their commitment to quality. Site testing is essential in order to manage the quality of the installation, including monitoring adhesion, application thickness and weather conditions throughout the works. Our Authorised Contractors carry out all site testing in accordance with our written procedure which is documented and shared with the client.

