

Degussa, the Partner to Trust

Degussa Construction Chemicals' competence in the field of waterproofing systems extends beyond car park protection systems to roofing and bridge deck technology. Based on many years of experience, our waterproofing solutions are equally appropriate for general engineering and water containment projects, and we have devised and successfully realised a huge number of diverse solutions around the world, under demanding and widely varying climatic conditions.

As well as acquiring expertise from these projects, we are dedicated to continuous investment in the research and development of new developments to existing systems. Our partnering approach covers not only products but also systems and services. This is your guarantee that you are dealing with a partner who wants to know and understand your requirements, and who will take a holistic approach to find a solution tailor-made to your needs.

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The Perfection of Car Park Protection



Your First Line of Defence



Car park surfaces are constantly exposed to aggressive chemicals as a result of oil and acids spills and carbon dioxide gases. Surface salt deposits in coastal areas where there is a saline atmosphere, climatic conditions such as humidity, rain, and the impact of de-icing salts all add up to form a corrosive environment, the effects of which will be worsened if cracks already exist in concrete decks. The use of a waterproofing protective membrane is therefore essential to reduce whole-life costs and downtime caused by the maintenance of deteriorating surfaces.

For the car park owner, maintaining a serviceable deck surface is a vital aspect of car park maintenance. A poor surface finish increases the likelihood of skids and the risk of liability in the event of end users making an insurance claim for an incident. The Degussa systems all include a hard wearing, skid resistant finish thus minimising accident risks due to skidding.



The function of the systems extends beyond protection to the practical considerations of differentiation of parking bays, traffic lanes and pedestrian walkways. Varying the deck surface through the use of colours and light-reflective coatings improves the usability of the car park and increases its aesthetics, creating a safe and welcoming atmosphere.

Degussa Construction Chemicals has the answer to car park protection: CONIDECK, a range of crack-bridging and non crack-bridging, wear-and-tear resistant car park deck coatings for both exposed and covered decks.

Our systems' tough wear coats provide exceptional wearing qualities, and a coloured top coat gives design flexibility.



CONIDECK car park systems are approved by the British Board of Agrément, have been independently tested to, and fulfil the requirements of the German OS-F specification for crack-bridging coating systems designed to take traffic and hold the French ATEX approval. All systems are installed by specialist contractors with the back-up of skilled Degussa personnel who can assist in drawing up the right specification for every application.



Tough at the Top



One specification of product across an entire parking structure is unlikely to be the best solution for all areas. The top deck of a car park is the structure's most vulnerable surface, exposed to the elements as well as to oils, acids, salts and UV radiation. To withstand such severe conditions, heavy-duty, UV-stable, elastomeric waterproofing systems are needed.



Degussa Construction Chemicals' solutions for car park top decks provide exceptional tensile strength and elastomeric capability. Double the thickness of most products, they use a multi-layer build up system to ensure optimum performance in even the harshest environments. Spray application speeds up the installation process and gives controlled thickness.



Our solvent-free polyurethane membranes can bridge cracks up to 2.5 mm in width easily and give a high level of mechanical resistance, while top coats are available in a wide range of colours.



Different Decks, Different Solutions

Enclosed, intermediate and lower decks and bays are protected from weather conditions to a large degree, and are less susceptible to stress than top decks although still exposed to aggressive de-icing salts. Degussa Construction Chemicals' systems for light to medium duty operations take this into account with specific systems that are fit for purpose.

Light-reflective coatings can be applied to the walls, soffits and columns of lower decks to improve aesthetics by exploiting ambient light and headlight beams. The result: brighter and more secure car parks, and a reduced need for additional lighting installations.

For decks, top coats are available in a choice of colours, helping users to identify different areas of the car park with ease. Skid resistant finishes are available to give extra grip, reduce tyre squeal and to provide a sure footing for pedestrians.



On the Move



Turning circles and ramps are the areas that suffer the highest mechanical stress and Degussa Construction Chemicals' systems have been developed to extend the surface life of these heavily used areas. A greater aggregate content in such zones increases wear resistance, producing a heavy-duty, skid resistant surface for long-term protection.

Highly elastomeric and waterproof, both spray and hand applied membranes are available providing the applicator and car park owner with the optimum system to meet specific requirements.



Make it Last

It is our goal to extend the lifespan of your structure. Our total-systems approach to construction means that we offer a full range of products, providing you with a one-stop shop for both construction and maintenance systems.

From hand applied to spray applied systems both crack-bridging and non-crack bridging for new-build projects to major refurbishments and concrete repairs, we have the solution. Beyond deck membranes, we supply joint systems and sealants for engineered traffic joints, impact protection systems and repair materials suitable not only for decks but also for soffits and overhead use.

