



## Solutions for Car Park Protection



# Master Builders Solutions

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The Master Builders Solutions brand brings all of expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than a century in the construction industry.

The know-how and experience of a global community of construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve specific construction challenges. We collaborate across areas of expertise and regions and draw on the experience gained from countless construction projects worldwide. We at Master Builders Solutions leverage global technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make more successful and drive sustainable construction.

Market leading products are developed from technically advanced formulations, optimized for the harsh environmental conditions found in the Middle East.

## Our Comprehensive Portfolio

- » Concrete admixtures
- » Cement additives
- » Chemical solutions for underground construction
- » Waterproofing solutions
- » Sealants
- » Tile fixing systems
- » Concrete repair and protection solutions
- » Performance grouts
- » Performance flooring solutions
- » Wall systems
- » Fire protection systems





## 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 chloride ion ingress 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 lifecycle 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. Master Builders Solutions systems include a hard wearing, skid resistant finish, thus minimising accident risks due to skidding.

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



Master Builders Solutions has the answer to car park protection: MasterSeal® Traffic 1300 series, a range of crackbridging and ridged, 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 colored top coat gives design flexibility.

MasterSeal® Traffic 1300 series car park systems have been independently tested to, ASTM & DIN Standards, for crack-bridging coating systems. All systems are installed by specialist contractors with the back-up of the Master Builders Solutions Technical Services team 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, heavyduty, UV-stable, elastomeric waterproofing systems are needed.

Master Builders 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.

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





## 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 water born salts. Master Builders Solutions 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 colors, 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 Master Builders Solutions 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 heavyduty, skid resistant surface for long-term protection.

Highly elastomeric and waterproof, 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.





# Master Builders Solutions for the Construction Industry

## MasterAir®

Complete solutions for air entrained concrete

## MasterBrace®

Solutions for concrete strengthening

## MasterCast®

Solutions for the manufactured concrete product industry

## MasterCem®

Solutions for cement manufacture

## MasterEase®

Solutions for reducing concrete viscosity

## MasterEmaco®

Solutions for concrete repair

## MasterFinish®

Solutions for formwork treatment

## MasterFlame®

Complete firestopping solutions

## MasterFlow®

Solutions for precision grouting

## MasterFiber®

Comprehensive solutions for fiber reinforced concrete

## MasterGlenium®

Solutions for hyperplasticized concrete

## MasterInject®

Solutions for concrete injection

## MasterKure®

Solutions for concrete curing

## MasterLife®

Solutions for enhanced durability

## MasterMatrix®

Advanced rheology control solutions for self-consolidating concrete

## MasterPel®

Solutions for water tight concrete

## MasterPolyheed®

Solutions for mid-range concrete

## MasterPozzolith®

Solutions for water-reduced concrete

## MasterProtect®

Solutions for concrete protection

## MasterRheobuild®

Solutions for high strength concrete

## MasterRoc®

Solutions for underground construction

## MasterSeal®

Solutions for waterproofing and sealing

## MasterSet®

Solutions for set control

## MasterTile®

Solutions for tile fixing system

## MasterTop®

Solutions for industrial and commercial floors

## MasterWeld®

Adhesive solutions for construction

## Master X-Seed®

Advance addelerator solutions for concrete

## Ucrete®

Flooring solutions for harsh environments

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