



Solutions for concrete repair and 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





Solutions for sustainable concrete repair, structural strengthening and crack injection

Reinforced concrete is the construction material of choice for the buildings and highways that comprise our urban and industrial environment. The durability of the concrete is a critical issue for planners and asset owners. Master Builders Solutions in conjunction with industry experts and universities, have studied the causes behind the deterioration of reinforced concrete structures. We have developed repair strategies to address such electro-chemical processes as those that result when piers and wharfs are exposed to salt and when concrete structures are attacked by airborne pollutants. Although the causes of the deterioration vary with different environments, the repair strategies for all locations are similar and our solutions are equally applicable to the repair of a wharf, a bridge or a skyscraper. Master Builders Solutions now delivers its body of knowledge and product portfolio amassed over 50 years within the global concrete repair and rehabilitation market.

Master Builders Solutions researchers consulted with industry experts, clients and applicators when we created our range of MasterEmaco repair products, MasterInject crack injection products, MasterProtect coating and protection systems and our MasterBrace carbon fiber strengthening and adhesive systems. Master Builders Solutions combines these materials to create engineering solutions that repair and extend a structure's useful life by preventing further damage and returning the structure to its original or upgraded design requirements.

Comprehensive solutions for concrete rehabilitation

The introduction of EN 1504, the world's first performance standard for concrete repair, provided the opportunity for Master Builders Solutions to help customers meet the standard by connecting our global development team with state of the art cementitious formulations. The resulting repair product range incorporates the latest technologies available for crack reduction

without compromising application ease. During the development stage several leading refurbishment companies assisted us in honing the application properties. This enabled Master Builders Solutions to reduce the time needed for repair and to ensure the fastest return to service possible.

The Master Builders Solutions range of products for concrete rehabilitation includes MasterEmaco structural mortars designed to replace the high strength concrete lost due to degradation. The MasterEmaco range incorporates active corrosion inhibition with state of the art galvanic anodes to ensure the integrity of steel reinforcement for many years after repair. It also includes products for non-structural repairs such as re-profiling mortars for balconies or facades, high-build overhead mortars and fast setting mortars to allow rapid completion of the project.

Trained Master Builders Solutions personnel, supported by our worldwide network of experts, will help owners and consultants to assess their repair requirements and to offer tailor made solutions.

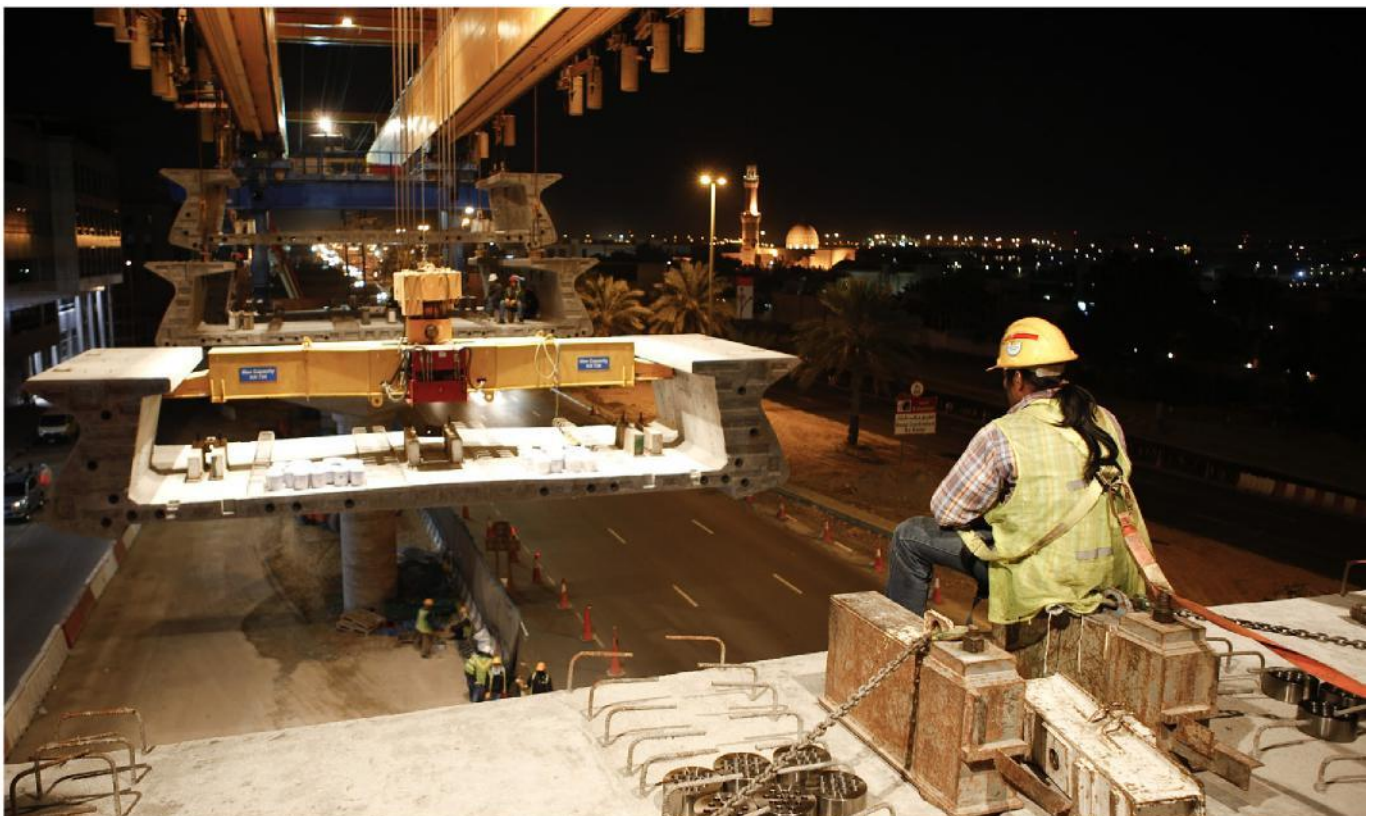
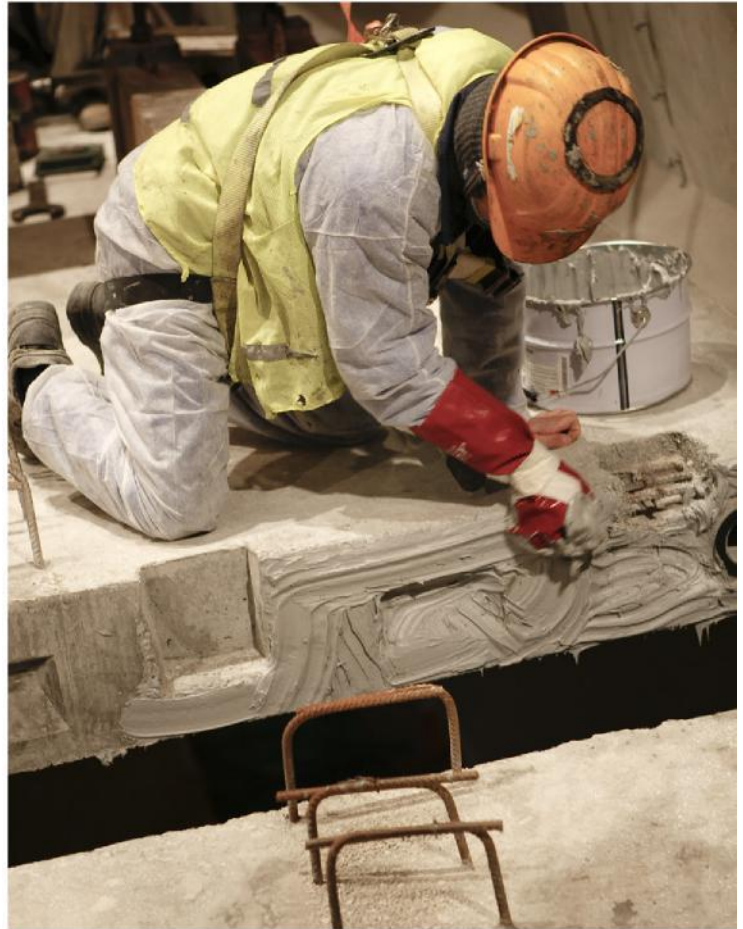




Safe and secure solutions for structural bonding and strengthening

The MasterBrace range of structural adhesives and structural strengthening systems help engineers to meet the challenges of modern urban development whilst also allowing architects to preserve the beauty of our historical landmarks.

At Master Builders Solutions, we utilize our long history in chemical development to provide our customers with solutions to meet their needs with regard to strength, speed of installation, durability and availability. Our local technical experts can assist the designer and the installer to get it right first time and avoid costly delays.





Solutions for Renovation and Refurbishment

Renovation of existing structures is often more economical in terms of the use of resources than demolition and rebuilding. Many owners look to renovation and repair as a way to renew the value of their assets without the disruption to income generation that demolition and rebuilding would cause. The MasterBrace range of Fibre Reinforced Polymer (FRP) composite

materials provides solutions for increasing the strength of structures to replace lost capacity due to age and environmental degradation. Designers can now add extra traffic lanes to bridges, offer increased loads per floor in existing buildings and even consider increasing the height of the building to create additional floors and habitable space.





Solutions for Protecting Concrete Structure

The MasterProtect range of protective coatings and impregnations offer peace of mind to Master Builders Solutions' clients that their structures are given the best possible protection for long service with minimal maintenance in the harshest environments. The MasterProtect range from Master Builders Solutions includes: anti-carbonation coatings, corrosion protection coatings and chemical resistant coatings which can provide an aesthetically pleasing appearance in addition to a high level of protection.

The MasterProtect impregnations, utilizing the latest German technologies, extend the life of structures by minimizing the ingress of moisture to the concrete, thereby preventing salts from affecting the steel reinforcement. Even when existing structures are suffering from chloride attack, surface applied corrosion inhibitors are able to stop the corrosion cycle and reinstate the passive layer protecting the reinforcement from further deterioration.





Connecting partners for better solutions

Continuous innovation and tailor-made solutions ensure customers using Master Builders Solutions are more successful. We operate with more than 80% of our products produced locally for regional conditions. The corporate culture of Master Builders Solutions is focused upon innovations, customers and safety. We at Master Builders Solutions ensure workplace safety, support the communities in which we are located, and strive to utilize and produce safe and environmentally appropriate technologies.

Master Builders Solutions offers a wide range of building construction products, concentrating on repair and protection solutions, performance flooring solutions, precision grouting solutions and waterproofing solutions. Our internationally connected technical experts and our local sales force combine forces to ensure that solutions are tailored to meet local conditions.





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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