



Solutions for concrete repair and protection





Master Builders Solutions from BASF

Master Builders Solutions

The Master Builders Solutions brand brings all of BASF's 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 BASF construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges. We collaborate across areas of expertise and regions and draw on the experience gained

from countless construction projects worldwide. We leverage global BASF technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make you more successful and drive sustainable construction.

The comprehensive portfolio under the Master Builders Solutions brand encompasses concrete admixtures, cement additives, chemical solutions for underground construction, waterproofing solutions, sealants, concrete repair & protection solutions, performance grouts, performance flooring and tiling solutions.





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. BASF 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. Through Master Builders Solutions, BASF now delivers its body of knowledge and product portfolio amassed over 50 years within the global concrete repair and rehabilitation market.

BASF 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 by BASF 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 BASF 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 BASF 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 BASF 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 BASF, 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 BASF's clients that their structures are given the best possible protection for long service with minimal maintenance in the harshest environments. The MasterProtect range from BASF 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 BASF is focused upon innovations, customers and safety. BASF has been rated among the top employers in many countries throughout the region because we 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 from BASF 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 from BASF 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

MasterEmaco

Solutions for concrete repair

MasterFinish

Solutions for formwork treatment

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

MasterSure

Solutions for extraordinary workability retention

MasterTop

Solutions for industrial and commercial floors

Master X-Seed

Advanced accelerator solutions for concrete

Ucrete

Flooring solutions for harsh environments

MasterTile

Solutions for tile fixing system

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