Solutions for construction systems
Master Builders Solutions from BASF

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 and performance flooring solutions.
Master Builders Solutions offers a wide range of building construction products, concentrating on performance flooring solutions, repair and protection solutions, precision grouting solutions and waterproofing solutions. Our internationally connected technical experts and local sales personnel work to deliver effective solutions tailored to local conditions and industry needs.

Concrete repair and protection solutions
Changing weather conditions and environmental pollution take their toll on concrete structures. Our repair and protection solutions help to extend concrete structure’s life span with safe and proven products that have been developed with the understanding of the chemistry behind the process of concrete degradation. Whether it is a balcony or a bridge that needs repairing, we offer integrated solutions for any construction.

Proper maintenance of a concrete structure is essential to guarantee its designed lifetime. However, when deterioration occurs, a repair methodology needs to be considered the environment and the causes of the deterioration. Master Builders Solutions from BASF has formulated a range of systems conforming to local and international standards that meet rigorous demands of application in the climates and environment encountered in Asia Pacific. Our MasterEmaco® repair mortars are formulated to resist cracking and to be compatible with the base structure. BASF has been able to achieve this because of our understanding of the chemistry of the hardening of cementitious products and by incorporating the latest advances in hydration control. BASF couples these advanced MasterEmaco repair products with passive MasterProtect® cathodic protection and MasterProtect anti-carbonation and protective coatings to create systems to return a structure to its design characteristics and to prevent further degradation. Master Builders Solutions has ranges suitable for rehabilitation of wharves, bridges, roads, tunnels, buildings as well as sewers and water retaining structures.

Concrete and masonry structural strengthening
MasterBrace® composite strengthening solutions, uses aerospace-grade carbon fibers, glass fibers and aramid fibers and engineered epoxy resins to create an externally bonded fiber reinforced plastic reinforcement system that has proven itself in applications ranging from increased load capacity of bridges, additional floors for car parks, high load limits for supermarket floors and seismic retrofit for concrete and masonry. The MasterBrace system combines the use of sheets, laminates and bars to provide the ultimate in flexibility, constructability and short installation time.
Crack repair and injection resins
Master Builders Solutions polymer crack repair injection resins are used for repairing cracks in concrete. Our MasterInject® epoxy resins for structural crack repair are often used in conjunction with our MasterBrace or MasterEmaco products. The MasterInject polyurethane and acrylic injection resins are for the control of active water infiltration and are used in conjunction with our MasterSeal® waterproofing products.

Grouting solutions
Precision grouts are flowable construction materials used for structural stabilization and load transfer. Master Builders Solutions offers a complete line of cementitious and polymer-based grouting materials for precision grouting of machinery.

Performance flooring solutions
BASF develops and markets durable and attractive industrial and commercial flooring using cementitious, epoxy and polyurethane resin technologies. Our competence in flooring and protective coatings is based on many years’ experience gained across the world in a variety of climatic and service conditions. We have specified, manufactured and supplied millions of square metres of performance flooring globally for an international client base.

Our MasterTop® product range offers cementitious, epoxy and polyurethane-based flooring systems for decorative or industrial use. The MasterTop cementitious floors applied at the time of concrete installation are ideal for situations where the floor will be subject to high traffic loads or abrasive environments. The MasterTop epoxy floor range includes general purpose to highly chemically resistant floors for industrial environments.

The MasterTop polyurethane range includes decorative and durable architectural and commercial flooring systems with choice of colour, texture and performance properties.

BASF’s world leading Ucrete® floors are the choice of the chemical and food and beverage manufacturers worldwide due to their high resistance to chemicals, heat and superior wear characteristics. Ucrete, a heavy duty polyurethane cement hybrid has superior chemical resistance and being water based can be applied onto damp substrates. Their fast curing characteristics and ability to be disinfected to the same level as stainless steel has made them the floor of choice for food manufacturers globally.

MasterTop and Ucrete are acknowledged internationally as the benchmark for industrial flooring systems.
Waterproofing solutions
Our waterproofing systems for concrete structures can keep water in or keep water and contaminants from entering the structure. Our range includes cementitious based polymer modified waterproofing for internal wet areas or for water retaining structures like water tanks and swimming pools. BASF’s knowledge of polyurethane and polyurea chemistry has created MasterSeal flexible and tough spray applied membrane systems. Ideal for protecting complex structures they have found their way into roofing applications as well as below grade applications. Spray applied and very fast curing means that the structure can be waterproofed quickly thus speeding up construction. MasterSeal systems have the benefit of being cold applied, avoiding the odour and fire risk of hot works, and are ideal for vertical surfaces too, allowing easy application to complicated details. Specific solutions for constructions like podiums, reservoirs, secondary containment and below-ground structures are possible with the MasterSeal waterproofing solutions.
Mastering the greatest construction challenges requires the right partner. Master Builders Solutions from BASF is fully committed to be your best connected partner that you can rely on for your coming projects.

**Waterproofing for car parks**

MasterSeal car park waterproofing and surfacing protection systems use the latest polyurethane technologies. Our competence in both car park refurbishment and new build applications is based on many years’ experience gained across the world in a variety of climatic and service conditions, specifying, manufacturing and supplying over one million square metres of deck membrane and coating systems internationally.

With Master Builders Solutions you can be sure that our systems meet the most exacting physical and chemical resistance needs. Combined with our packages for concrete repair and protection, structural strengthening and expansion joints, we are the only supplier to be able to offer a complete solution to structural waterproofing and protection problems.
Project references

**New Zealand**  
Lion Nathan Brewery

**Hong Kong**  
Stonecutters Bridge

**Singapore**  
Resorts World at Sentosa

**Indonesia**  
Freeport Mine

**Malaysia**  
National Mosque

**Thailand**  
Ploenchit Tower Project

**Australia**  
Flinders Street Station

**Vietnam**  
Sakata Inx Vietnam Co., Ltd

**Macao**  
Grand Lisboa Casino

**China**  
Shanghai Modern Art Museum

**Korea**  
Lotte-Samkang / Cheong-An

**Taiwan**  
The Main Stadium of 2009 World Games

**Japan**  
Lion Foods

**India**  
Bangalore Airport
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 fibre 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 high performance concrete

MasterPozzolith®
Solutions for water-reduced concrete

MasterProtect®
Solutions for concrete protection

MasterRheobuild®
Solutions for superplasticized concrete

MasterSeal®
Solutions for waterproofing and sealing

MasterRoc®
Solutions for underground construction

MasterSet®
Solutions for retardation control

MasterSure®
Solutions for workability control

MasterTop®
Solutions for industrial and commercial floors

Master X-Seed®
Advanced accelerator solutions for pre-cast concrete

Ucrete®
Flooring solutions for harsh environments

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