



The Chemical Company

High Performance
**Concrete
Protection
& Repair
Solutions**



High-Performance Repair Systems

Internationally recognised as a leader in the field of concrete protection and repair materials technology, BASF Construction Chemicals can provide you with a specialist concrete protection and repair solution to meet your needs.



From hand-applied repair mortars, shotcrete-based systems, and state-of-the-art fibre reinforcing systems, through to corrosion inhibitors, water repellents and specialist coatings, BASF's range of protection and repair solutions is second to none.

Cementitious Repair Mortars



Emaco® Nanocrete utilises the latest in mortar technology to create a range of mortars with high durability, low shrinkage and easy application. Specifically formulated to exceed the requirements of the new European Norm 'EN1504' - a performance standard for concrete repair.

Emaco® Nanocrete FC is a fairing coat for large scale rendering and profiling after concrete repairs.



Emaco® Nanocrete R2 is a non-structural re-profiling mortar that is fast setting and suitable for repairs from 3mm to 100mm. Its low resistivity formulation makes it an ideal mortar for bedding passive and discrete anode systems.



Cementitious Repair Mortars



Emaco® Nanocrete R3 is a lightweight structural repair mortar for high build applications. It can be applied by hand or as a wet spray.

Emaco® Nanocrete R4 is a high strength structural repair mortar. It is available in both hand-applied, wet sprayed and 'form & pour' versions.

Emaco® S90UW is a hand-applied fast set repair mortar that has been specifically developed for use in underwater applications.



Emaco® T920 hand-applied screedable micro-concrete provides a quick turnaround high-strength repair mortar for horizontal applications.

Emaco® T545 (Emaco Set-45) high-strength, rapid set repair mortar is ideal for use in horizontal applications and sets in only 45 minutes.

Shotpatch® 20 / 20S / 22S and 22T machine-applied customisable repair shotcretes provide the ideal solution for large-scale repairs. Suitable for either wet or dry application, Shotpatch® repair shotcretes are available in a range of grades, including cathodic protection overlays, shrinkage compensating, and polypropylene fibre and/or steel fibre reinforced.

Coatings



Masterseal® 150E (Barracryl Elastic) and **Masterseal® 160D (Barracryl D)** anti-carbonation coatings for concrete structures are available in a range of designer colours to suit a wide variety of architectural design needs.



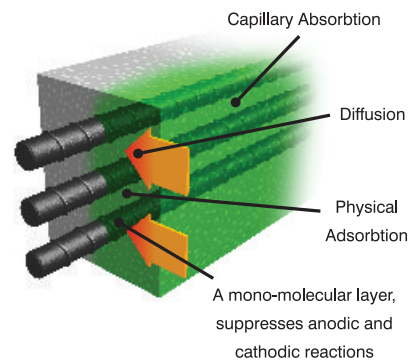
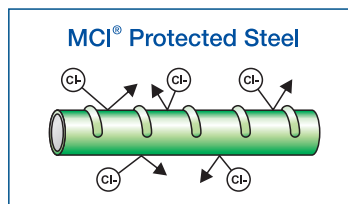
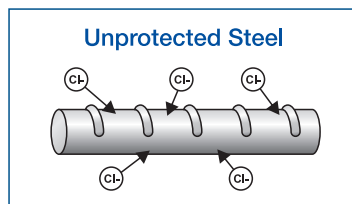
Impregnants

Masterseal® 355 silane siloxane blend provides a high-performance barrier against water ingress on all porous surfaces.

Masterseal® 360 and Masterseal® 360 CRÈME silane-based products have been specifically developed for the treatment of a range of concrete structures to prevent ingress of water, chlorides and carbon dioxide, whilst still allowing the structure to 'breathe'.

Protectosil® CIT is a patented silane and corrosion inhibitor blend which combines the performance benefits of both products to deliver a significantly higher level of protection than either a corrosion inhibitor or silane on its own.

Masterseal® MCI 2020 state-of-the-art migrating corrosion inhibitor can be applied to existing structures to inhibit corrosion. Masterseal MCI 2020 can also be used as a factory-added additive in a range of BASF repair mortars and shotcrete products.



Injection Range

Concresive® 2530 general purpose solvent-free epoxy injection resin provides a high performance versatile solution that is ideal for use in a wide range of injection applications.

Concresive® 1375 machine-applied solvent-free epoxy resin has been specifically developed for use in deep injection applications. Concresive 1375 requires a special high pressure application unit.



Strengthening

MBrace® Composite Strengthening Systems from BASF Construction Chemicals deliver fast, efficient and reliable strengthening and seismic protection for:



- Bridges
- Buildings
- Wharves
- Piles
- Slabs
- Beams
- Walls
- Column

Based on Carbon, Aramid and E-Glass fibre technologies, MBrace® provides the ideal combination of high strength, lightweight materials, corrosion resistance, and vapour permeable technology, that allows it to be used on damp substrates and in marine environments. MBrace® is often used in conjunction with other repair methods to bring structures back to their required strengths.

Epoxy Adhesives and Mortars

Concresive® 1444 thixotropic solvent-free epoxy mortar is approved for use in potable water applications, and provides an ideal wet-to-dry concrete bonding agent and coating.



Concresive® 1446 solvent-free epoxy mortar has been specifically developed for re-profiling and repair work. Concresive 1446 delivers excellent chemical resistance and is suitable for use in potable water applications.

Concresive® 2525 general purpose solvent-free epoxy binder can be used as a primer or, with added sand, as a mortar. Concresive 2525 is substrate moisture tolerant.



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