



General Construction & Concrete Repair Systems



a.b.e.® Construction Chemicals is a market leader in chemical products and a major supplier of specialized construction products, to the building, civil engineering and building maintenance industries.

a.b.e.® offers a wide range of construction commodity products, including shutter release agents, curing compounds, drainage products, maltsoids, non-shrink grouts and high-strength mortars, as well as a wide range of concrete repair products based on epoxies, synthetic resins, silanes, and cementitious materials.

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Meet "Jon-Pierre Mathee"
a.b.e. GCN Technical Sales
Consultant - Gauteng

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Concrete repair must be part of the design plan

A key factor for extending the durability of concrete structures is the implementation of timely and effective repair and maintenance procedures. In a sustainable built environment, structural maintenance is non-negotiable. As soon as a concrete structure is completed, the need for a maintenance programme must start. Maintenance should not be driven simply by the need to correct defects that occur over time, but to avoid these defects in good time.

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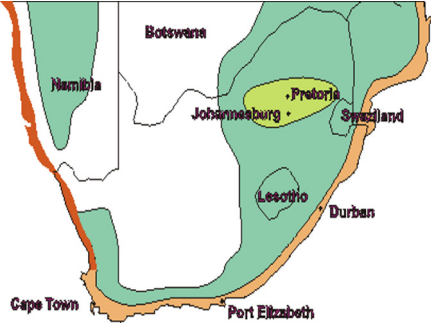
Concrete is exposed to damaging environmental factors and over time cracks, loses its strength, and slowly deteriorates and eventually fails.



Concrete will always crack, as a result of water infiltration, air pockets, or both.



Corrosion is an irreversible chemical reaction that, if left unattended, actually accelerates over time and develop cracks, concrete delamination and, eventually, spall their concrete cover to expose severely degraded steel.



Corrosion potential in South Africa

Extremely severe Severe
Moderate Mild

Why protect concrete?

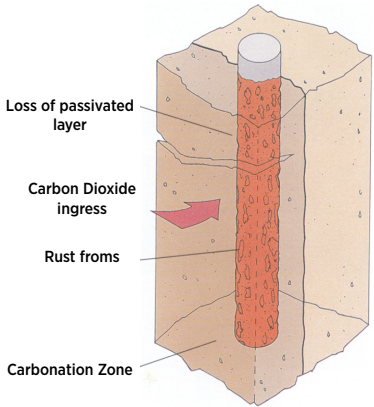
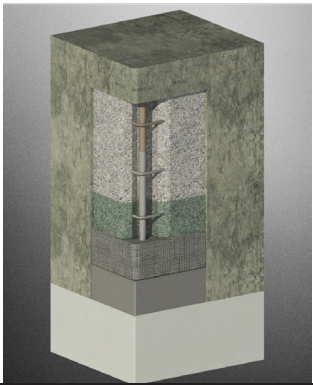
- Civil engineering expenditures in developed countries are primarily devoted to rehabilitation of existing infrastructure.
- Reinforced concrete is not maintenance-free.
- Concrete has the potential to be durable.
- Protection is necessary to ensure structures reach the intended design service life.
- Eliminates the need for expensive rehabilitation.

The Solution

a.b.e.® has the complete range of solutions:

- **Bonding Agents**
- **Anti Corrosion**
- **Repair Mortars**
- **Protective Coatings**

[CONCRETE PROTECTION SYSTEM](#)



When the Carbonation Zone reaches the steel, corrosion begins

Concrete protection
should not be left for too long
Once in a lifetime may be too late!