

High deformation capacity and adhesive strength

The high deformation capacity of Basilisk MR3 ensures good adhesion of the repair mortar. This mortar is very suitable for repairing concrete surfaces of structures that are subject to heavy loads, such as minor earthquakes or dynamic loads.

The mortar has an extra high deformation capacity due to the added PVA fibres. This allows the cured mortar to shrink and expand with the existing concrete. The result is much more durable than repairs with traditional mortars.

Basilisk Self-Healing Repair Mortar MR3 meets the requirements of the European standard EN 1504-3 class R3 repair mortars and is CE certified.

Curious about what we can offer for your project?

We are happy to provide you with insight into the benefits and possibilities for your project, without any obligation. Please contact us to discuss the details.

Contact us

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Authorized Distributor

STONIX

Basilisk self healing concrete

Restoration Partners LLC is the exclusive distributor of Basilisk Self-Healing products in the Americas.

Basilisk Self-Healing Repair Mortar MR3

Repair of existing concrete



Waterproof repair mortar

Protection of reinforcement

Reduced CO2 footprint

Easy and fast application

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Basilisk Self-Healing Repair Mortar MR3

Basilisk Self-Healing Repair Mortar MR3 offers a durable repair for damaged concrete cover layers, cracks and leakages. Traditional concrete repair methods often need to be repeated over time. This is necessary because of the limited deformation capacity of traditional repair mortars. Basilisk MR3 has a much higher deformation capacity and therefore prevents delamination of the repair mortar.



Benefits of self-healing concrete

The self-healing properties of Basilisk MR3 ensure that cracks in the mortar heal autonomously. Together with the excellent capacity to absorb deformations, this ensures durable concrete repair. New leakages are prevented and the reinforcement remains well protected against corrosion.

- Waterproof repair mortar
- Protection of reinforcement
- Reduced CO2 footprint
- Easy and fast application

Applications and markets

- Tunnels and bridges
- Liquid containing reservoirs
- Industrial cooling towers
- Ports and airports
- Maritime structures
- Diaphragm walls
- Basement constructions
- Parking garages





Reference project: viaduct and diaphragm walls

An important viaduct under the A20 highway in the Netherlands has been repaired with Basilisk MR3. The repair mortar is manually applied to the damaged surfaces to protect the reinforcement against corrosion again.

Another application of the self-healing concrete mortar are the diaphragm walls in the parking garage of the Groninger Forum. Due to the high groundwater pressure, leakages had occured here due to micro-cracks. These have been repaired by applying Basilisk MR3 as a shotcrete mortar over large areas of the surface.





Adding value to concrete

Self-healing properties
The self-healing properties of Basilisk MR3 ensure that if new cracks occur in the repair mortar due to future deformation, they will heal themselves autonomously. This ensures a sustainable result of the repair work.

Reinforcement protected
Basilisk MR3 is a waterproof repair mortar. This means that moisture cannot penetrate into the repaired area and that the reinforcement is protected against corrosion.

Sustainability first
Repairs are sustainable since they do not need to be repeated every 10 years as is the case with 55% of traditional repair methods. In addition, the mortar is bio-based.

Apply as shotcrete mortar or manually
Basilisk MR3 can be applied as a shotcrete mortar or manually. This makes it suitable for repairing both small and large surfaces.