

How does the application process work?

Basilisk Liquid Repair System ER7 is applied as a liquid two-component spray mixture. Basilisk ER7 is quick and easy to apply. With the right spraying equipment, a production of 500 m^2 (5,382 ft^2) per hour is possible.

For cracks up to 0.2 mm (0.00787 in) wide, only one treatment is sufficient, while for larger cracks, several successive treatments may be required to achieve a durable repair of the surface.

If desired, the excess Basilisk ER7 material can be removed 24 hours after application and the construction can be put back into use quickly.

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 Liquid Repair System ER7

Self-healing for cracks in existing concrete



Watertight concrete

Protection of reinforcement

Reduced CO2 footprint

Easy and fast application

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Basilisk Liquid Repair System ER7

With Basilisk Liquid Repair System ER7, cracks and leaks in concrete structures repair themselves. Traditional repair methods such as injections are more expensive, more time consuming and more difficult to apply to narrow concrete cracks. Application of Basilisk ER7 is easy and during the self-healing process, concrete cracks up to 0.8 mm (0.0315 in) are filled and become watertight again.



Advantages of self-healing concrete

Due to its low viscosity, Basilisk ER7 easily penetrates into small cracks and pores. After application, the liquid forms a gel that seals cracks and pores. During the self-healing process, the environmentally friendly bacteria create limestone. This ensures a permanent filling of the concrete crack as well as the surface.

Watertight concrete

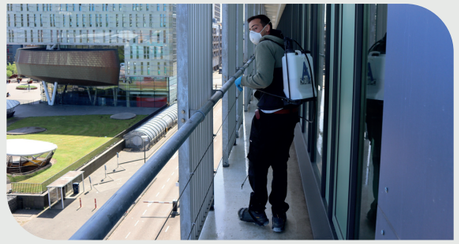
Protection of reinforcement

Reduced CO2 footprint

Easy and fast application

Applications and markets

- Parking decks
- Roofs, galleries and balconies
- Pavements (e.g. bus lanes)
- Platforms and runways
- Port facilities
- Railway constructions





Reference project: lifespan bus lane extended 15 years

Even the smallest hairline cracks in concrete road surfaces eventually lead to major problems. Water reaching the reinforcement will ultimately lead to corrosion of the reinforcement steel. The Province of Noord-Holland chose to solve this durability problem of a bus lane with Basilisk Liquid Repair System ER7. This repair system allowed them to save more than 33% on the Life Cycle Costs and to save 90% on CO2 emissions. In addition, there was a much shorter downtime because the product is easy and quick to apply. This saved a lot of time over traditional repair methods.





Adding value to concrete

Concrete repair with self-healing concrete has advantages. They are listed below.

- Waterproof concrete
- Protects the reinforcement against moisture
- Prevents frost damage
- Reduced downtime compared to traditional methods
- Quick and easy application as a spray
- Life Cycle Cost reduction of approximately 33%
- Longer design life and less future maintenance
- More than 90% less CO2 emissions
- Organic product without solvents

Waterproofing protects reinforcement

When water comes into contact with reinforcement steel, corrosion occurs, especiallyif de-icing salts are involved. This creates durability issues, safety risks and high repaircosts. Therefore, it is important to limit cracking at an early stage. Basilisk ER7 fills cracks up to 0.8 mm (0.0315 in) and enhances durability by making concrete waterproof again.