

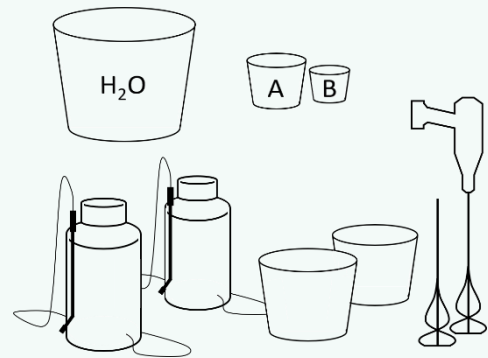
Application Instructions

Powder mixtures of both components must be dissolved separately in specified quantities directly before application and be applied with pressurized spray units. Please find below a step by step guide on how to correctly mix and apply Basilisk ER7.

Before mixing and/or applying Basilisk ER7 please consult the latest MSDS of Basilisk ER7!

Requisites

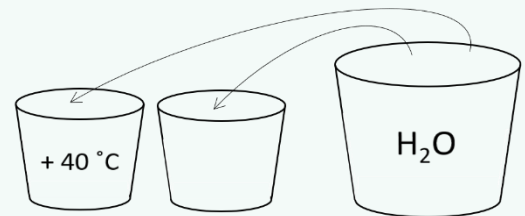
Requisite	Small set	Large set
Mixing container (2x)	2x 10 l	2x 60 l
Pressurized spray unit (2x)	Min. 5 l	Min. 5 l
Mixer		
Mixer (2x)		
Hot water (40 °C) for comp. A	5 l	50 l
Cold / lukewarm water	2.5 l	25 l



Application steps

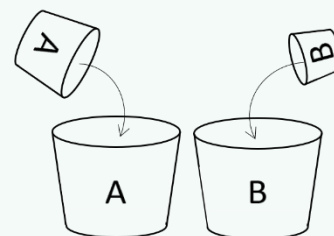
Step 1: Preparation

Cracks and pores of concrete surfaces must be clean and dry or slightly damp prior to treatment to allow effective penetration of the liquid repair system.

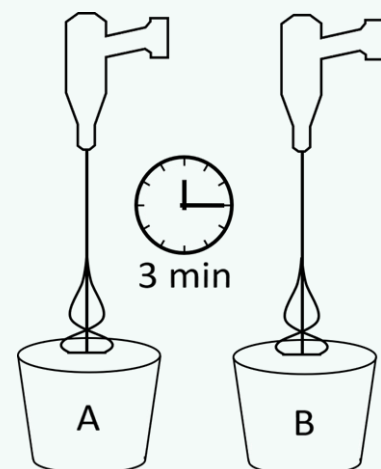


Step 2: Mixing

Powder mixtures of both component 'A' and 'B' must be dissolved separately in specified quantities of hot and lukewarm water just before application (pot life = 3h) in separate mixing containers (buckets). When mixing a small set of Basilisk ER7 use 5 liters of water for mixing component 'A' and 2.5 liters of water for component 'B'. When preparing a large set of Basilisk ER7 the volume is ten folded (A = 50 l, B = 25l).



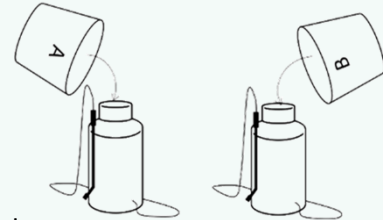
Prepare mixing container for component 'A' by pouring the hot water (min. 40 °C) into its designated container. Add component 'A' (powder) gradually to the water while mixing to prevent formation of lumps. Use a handheld or stabilized mixer and thoroughly mix the solution till the powder is dissolved (approximately 3 min.) The mixing will be sufficient when the solution will no longer appear to be turbid (Note: small brownish particles may remain at the bottom). It is advised to let the mixture rest for a minute before applying a sequential short mix. Component 'A' will consist of a beige milky solution when properly mixed.



Prepare a separate designated container for the mixing of component 'B' following the same procedure as described for component 'A'. Use of lukewarm or cold water will suffice for this component. Use a separate clean mixers for component 'B' to minimize contamination between components. Component 'B' will consist of a clear (like water) solution when properly mixed without any residue.

Step 3: Preparing handheld pressurized spray units

Once the components are properly mixed the handheld pressurized spray units can be filled with solution 'A' and be 'B' in separate sprayers. It is advised to always use one designated spray unit for one specific component.



Step 4: Application of ER7

Cracks and pores of to be treated concrete surfaces must be clean and slightly damp before treatment to allow effective penetration of ER7.

Application method 1: Crack repair

A first layer of solution 'A' should be directly sprayed onto the crack with a direct jet spray. A second layer should be applied once the first layer has penetrated the crack, normally this takes about 5 to 60 minutes depending on permeability of the to be treated surface and crack width.

Sequentially, within 5 minutes of the last application of solution 'A', solution 'B' should be applied by spraying directly onto the crack with a vaporized spray (wet on wet). Application of solution 'B' results in formation of a firm gel, covering and sealing cracks and pores, as soon as brought into contact with component 'A'.

Application method 2: Surface densification

Apply first and second treatment of component 'A' onto the surface the same as for crack repair treatment, but now covering the entire surface with a vaporized spray.

Sequentially, within 5 minutes of the last application of solution 'A', solution 'B' should be applied by spraying directly onto the crack with a vaporized spray (wet on wet).

Used spray units must be emptied and thoroughly rinsed with lukewarm water directly after use to allow re-use of sprayers. For handling of any surplus material please see the latest MSDS and PDS of the ER7 Liquid Repair System.

Application volume

Application	Volume Basilisk ER7 (Component A + B)
Crack treatment	0.25 – 0.3 l/m ¹
Surface treatment	0.45 – 0.75 l/m ²
* The ratio of component 'A' to 'B' is 2:1 (same ratio as each set is supplied)	

Step 5: Cleaning of surface

The gel that is formed after the application of solution 'B' can be removed after a minimum of 24 hours. The gel can be removed by using excessive water and a wiper (do not scrub). Only clean the surface, not the inside of the crack. Preferably only use water to clean the surface. In any case make sure not to use anti-bacterial products.

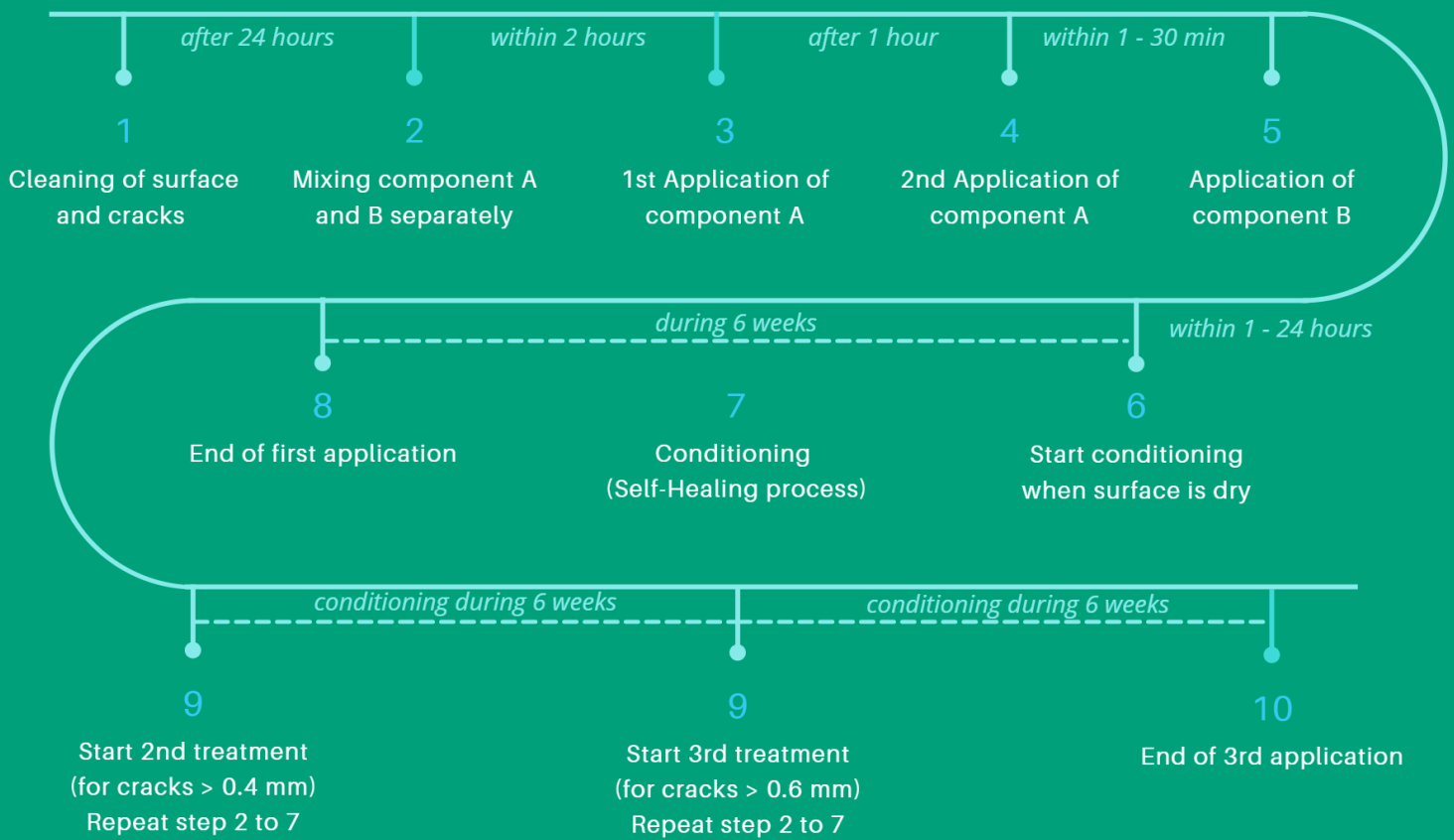
Surplus gel formation on top of the surface can cause for slipperiness.

Step 6: Conditioning

In the period of 6 weeks after application the product will seal the crack or surface autonomously. During this entire period moisture must be available to prevent the cracks/ pores from drying out. If moisture is not naturally available it must be provided actively. Additionally, evaporation of moisture should be limited by using coverage or curing.

TIMELINE

Application Basilisk ER7



Amount of treatments

Depending on the crack width multiple applications might be necessary. Each additional treatment may be started after the conditioning (6 week period) of previous treatment.

Amount of treatments	Healing capacity (range of crack width)
1	Up to 0.4 mm
2	Up to 0.6 mm
3	Up to 0.8 mm