

A complete system for a 10-year warranty



Kryton Internal Membrane (KIM®)

The original and only crystalline waterproofing admixture with more than 50 years of demonstrated success.

Kryton technology, an admixture for concrete, reacts with moisture to form insoluble needle-shaped crystals that fill

capillary pores and micro-cracks, enhancing concrete durability by blocking pathways for water and waterborne contaminants.

- **Complete self-sealing of concrete cracks up to 0.7 mm**
- **82% reduced shrinkage cracks formation**
- **KIM does not deplete and works for the entire lifespan of concrete**

Unlike other concrete waterproofing solutions that rely on free lime, which depletes over time, KIM chemically reacts with water and unhydrated cement particles. This ensures that any moisture introduced over the lifespan of the concrete foundation will initiate crystallization, providing permanent waterproofing and resistance against hydrostatic pressure. Unlike a traditional waterproofing membrane, Kryton technology integrates into the concrete itself, delivering a long-lasting solution.



Kryton Mortar Admixture™ (KMA)

The original hydrophilic crystalline admixture used to create permanently waterproof masonry mortar and concrete masonry.

Kryton technology reacts with moisture to form insoluble needle-shaped crystals that fill capillary pores and micro-cracks in the concrete and block the pathways for water and waterborne contaminants.

Unlike other crystalline solutions that react with free lime that eventually depletes over time, KMA chemically reacts with water and unhydrated cement particles. Any moisture introduced over the lifespan of the concrete will initiate crystallization, ensuring permanent waterproofing and watertightness protection.



Kryton Waterstop Grout™

A crystalline grout that creates an internal or external waterstop at construction joints, pipe penetrations, tie holes, and control joints.

Kryton technology reacts with moisture to form insoluble needle-shaped crystals that fill capillary pores and micro-cracks in the concrete and block the pathways for water and waterborne contaminants.

Unlike other crystalline solutions that react with free lime that eventually depletes over time, Kryton Waterstop Grout chemically reacts with water and unhydrated cement particles. Any moisture introduced over the lifespan of the concrete will initiate crystallization, ensuring permanent waterproofing and watertightness protection.



Kryton Waterstop Grout™

A crystalline concrete waterproofing product that stops the flow of water to permanently repair leaking cracks, holes, and joints in concrete and to resurface and waterproof defective, damaged, or deteriorating concrete.

As part of the Kryton Leak Repair System, Kryton Repair Grout is a crystalline concrete waterproofing product that stops the flow of water to permanently repair leaking cracks, holes and joints in concrete, and can also be used to resurface and waterproof defective, damaged or deteriorating concrete. The grout employs advanced fiber technology and shrinkage controlling additives to prevent cracking.



Hard-Cem®

The only integral abrasion and erosion resistance admixture in the world, improving the durability, lifespan, and sustainability of concrete structures.

Hard-Cem uses a unique metal-mineral microstructure that is mixed integrally into concrete, reducing project costs associated with additional floor treatments or special finishing on the construction site.

- **Increase durability, lifespan, and sustainability of concrete up to 600%**

It fortifies existing cement paste in the mix to increase the concrete's resistance to abrasive and erosive forces and eliminates the risks associated with conventional hardeners or densifiers.

Hard-Cem significantly reduces replacement and repair requirements and more than doubles the wear life, lowering the lifetime cost – and the lifetime carbon footprint – of the concrete.



Kryton Waterstop Treatment™

A cementitious crystalline slurry that is applied to horizontal and vertical construction joints to provide additional waterproofing and protect rebar from corrosion.

Kryton technology reacts with moisture to form insoluble needle-shaped crystals that fill capillary pores and micro-cracks in the concrete and block the pathways for water and waterborne contaminants.

Unlike other crystalline solutions that react with free lime that eventually depletes over time, Kryton Waterstop chemically reacts with water and unhydrated cement particles. Any moisture introduced over the lifespan of the concrete will initiate crystallization, ensuring permanent waterproofing and watertightness protection.



Kryton T1® Concrete Waterproofing

A surface-applied crystalline slurry treatment that transforms new or existing concrete into a permanent waterproofing barrier.

Kryton technology reacts with moisture to form insoluble needle-shaped crystals that fill capillary pores and micro-cracks in the concrete and block the pathways for water and waterborne contaminants.

Unlike other crystalline solutions that react with free lime that eventually depletes over time, Kryton T1 chemically reacts with water and unhydrated cement particles. Any moisture introduced over the lifespan of the concrete will initiate crystallization, ensuring permanent waterproofing and watertightness protection.



Kryton Plug™

As part of the Kryton Leak Repair System, Kryton Plug is a fast-setting hydraulic cement that, when mixed with water, is used to stop water leaks and repair cracks, holes and joints in concrete.

Kryton Plug sets within 2 minutes and has a high compressive strength, allowing it to stop water even at high hydrostatic pressure. Once the water flow has stopped, permanent repair of the leak is possible using Kryton technology.

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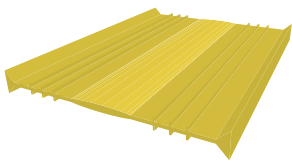


Waterswelling tape

A water swellable sealing product based on a unique Sealing technology. Expands on contact with water, thus creating an active seal to combat moisture infiltration. The tapes are self-correcting and thus also sealing the

unevenness and imperfections of the concrete. Excellent performance in over 300 cycles. Waterswelling over 1200%.

Also available in rainy-conditions-oriented version (in turquoise coloring). Water swelling starts in 48 hours after having been in contact with water. Excellent performance in over 300 cycles. Waterswelling min. 500%.



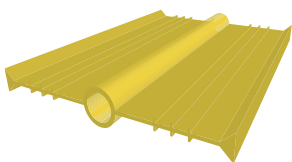
Rubber waterstop WS

Rubber tapes used internally in casting joints between fresh and hardened concrete to prevent water leaks.



Rubber waterstop WSE

Rubber tapes used externally in casting joints between fresh and hardened concrete to prevent water leaks



Rubber waterstop WSB

Rubber tapes for expansion joints: absorb movement in certain points of the structure to avoid the formation of cracks and acts as a barrier against water, air and foreign bodies penetration.



Sealing Plug

A solution for sealing concrete formwork spacers. A water-swellable rubber cap prevents water infiltrating the bar and a solid core provides a mechanical anchor under pressures up to 6 bar.



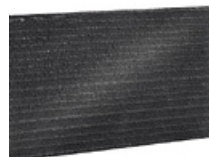
Sealing UFO

A perfect solution for combating water infiltration around formwork spacers and surrounding concrete. Prevents water permeating through cracks in the concrete around formwork spacers.



Sealing rings

A perfect solution for combating water infiltration around formwork spacers and surrounding concrete. Prevents water permeating through cracks in the concrete around formwork spacers.



Steel waterstop strip

A crystallisation coated waterproofing strip that actively interacts with water after being placed in the concrete to ensure the waterproofing of the structural joint.



Resin injection system

An injection hose system for waterproofing construction joints consists of injection hose, pressure hose, hook connections and fixing clamps. Expanded PE, with a porous structure and mutually connected cells that form a zigzag passage.

How system components work together

