

KRYTONITE™ SWELLING WATERSTOP

CONCRETE WATERPROOFING JOINTS

Krytonite Swelling Waterstop is the ultimate solution for waterproofing concrete construction joints. Krytonite is used instead of conventional swelling waterstops, or as part of the Krytol Waterstop System (KWS).

Through its unique synthetic rubber technology, Krytonite swells up to 4 times more than ordinary rubber or bentonite swelling waterstops, and produces enough swelling pressure to withstand extreme hydrostatic pressure - even when exposed to salt water or when used in chloride or sulfate contaminated soils.

Despite its extraordinary swelling ability, Krytonite is specially engineered so that swelling action occurs after concrete has gained sufficient strength. This controlled swelling eliminates the risk of cracks or voids in the concrete that may occur if swelling was uncontrolled.

Krytonite is easy to install and its innovative trapezoid shape resists dislodgement during concrete or shotcrete installation. Its unique shape also allows better consolidation of the concrete around the waterstop, while the bright yellow color makes for easy inspection.

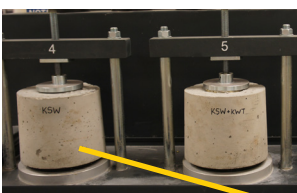
Krytonite provides confidence that your projects jointing system will be waterproof for the life of the concrete.



Quick & easy installation



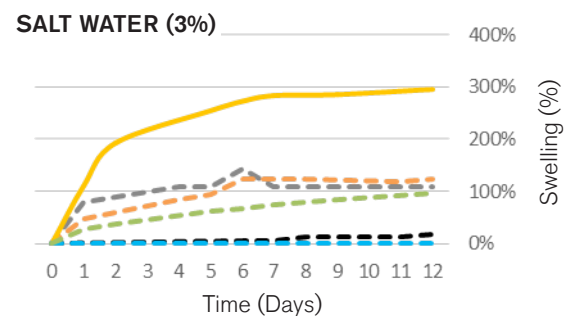
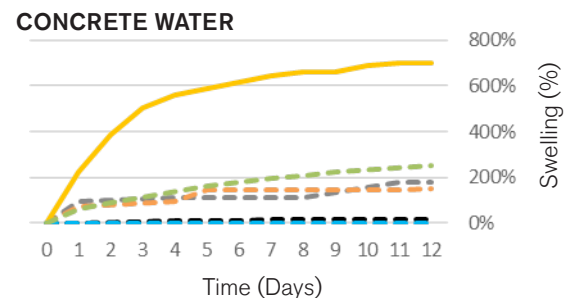
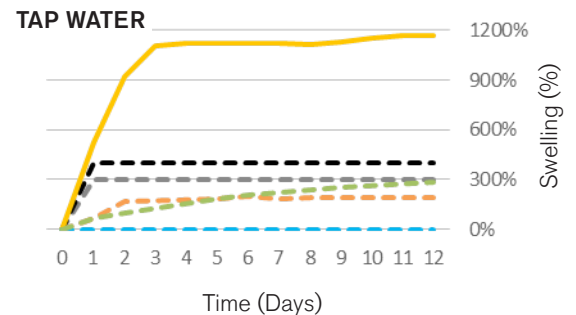
Before and after water exposure



Proven 0.8 MPa (8 bar) water stopping performance in modified DIN 1048-5 testing



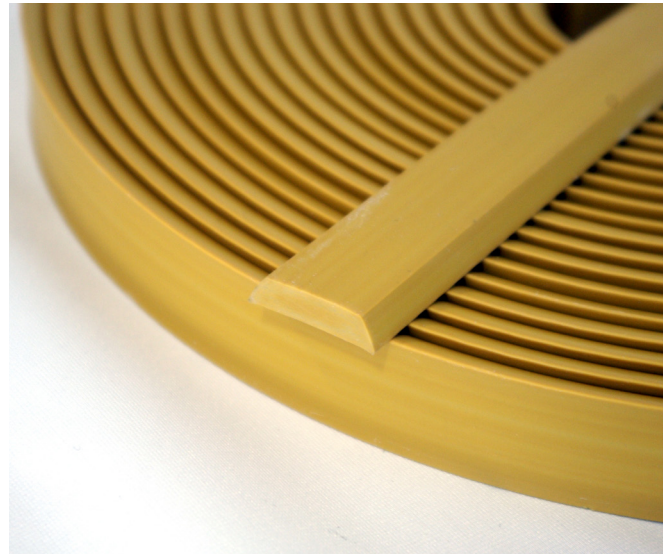
Krytonite vs Other Swelling Waterstops



- Krytonite (5mm x 20mm)
- PVC
- Non-Bentonite Leading Brand 2 (10mm x 20mm)
- Bentonite Leading Brand 1 (9.5mm x 19mm)
- Bentonite Leading Brand 2 (19mm x 25mm)
- Non-Bentonite Leading Brand 1 (7mm x 25mm)

WHAT MAKES KRYTONITE BETTER?

- Proven water stopping performance to 0.8 MPa (8 Bar)
- Forms to contours found in the concrete
- Quick and easy installation
- Innovative trapezoid shape resists dislodgement, and allows better concrete consolidation
- Controlled swelling allows for concrete strength development
- Bright yellow color makes inspection easy
- When used in conjunction with Krystol Internal Membrane (KIM), and as part of Kryton's Single, Dual or Triple Protection Krystol Waterstop System (KWS), Krytonite provides the ultimate combination of immediate and long-term waterproofing



5 rolls @ 10 m / 33 ft per roll = 50 m / 165 ft per box. 20 x 5 mm / 0.80" x 0.20" Trapezoid shape

PROBLEM → SOLUTION

BENTONITE WATERSTOP

Bentonite-based hydrophilic waterstops are made from clay and have a capacity for expansion of just 1 or 2 times their original volume. Due to their poor cohesive properties, bentonite materials continue to swell in an uncontrolled manner, lose their physical integrity and disintegrate over time. This limits their ability to withstand long term hydrostatic pressure.

POLYVINYL CHLORIDE WATERSTOP (PVC)

Since PVC is non-expanding and cannot compensate for concrete shrinkage, failures are common. PVC is also very labor-intensive and difficult to install, with workers routinely failing to properly splice the sections and corners. Movement and folding during concrete pours creates gaps and voids, thereby defeating the purpose of the waterstop.

KRYTONITE

Krytonite's advanced synthetic polymer rubber swells more and exhibits superior cohesive properties. Even upon repeated swelling and drying cycles, it can withstand extreme hydrostatic pressure and will not deteriorate over time.

KRYTONITE

Krytonite will compensate for concrete shrinkage by expanding. The Krytonite jointing solutions is easy to install, requires no specialized tools or skill, and joints will be waterproof for the life of the concrete.

BENTONITE



KRYTONITE



Bentonite waterstops can disintegrate over time while Krytonite will continue to stop water.



Krytonite will even fill contours found in the concrete