



Krytonite™ Swelling Waterstop

(Waterproofing System for Construction Joints)

Product Code: K-325Y5

DESCRIPTION

Krytonite Swelling Waterstop is specially designed for sealing construction joints in concrete construction. Krytonite is a non-bentonite flexible hydrophilic swelling waterstop that is fully compatible with Kryton's Krystol Internal Membrane (KIM) Admixture System and is suitable for use with regular ground water as well as salt and sulfate contaminated water. When in contact with water, Krytonite Swelling Waterstop will swell up to 1000% of its original volume to seal the joint. Krytonite is a synthetic rubber polymer that is extremely durable and will not deteriorate or lose performance, even when subjected to repeated wetting and drying cycles.

FEATURES

- High-performance swelling – even in contaminated water
- Flexible and easy to install using nails or adhesive
- Resistant to high hydrostatic pressure
- Extremely durable – will not deteriorate even with repeated wetting and drying cycles
- Delayed swelling allows for concrete strength development in advance of swelling pressure

RECOMMENDED USES

Use Krytonite to permanent waterproof seal at construction joints, around penetrations, between precast elements and other places where concrete joints occur. Not for use at expansion joints. Suitable for use in sewage and potable water containment structures. May be used in areas with chloride or sulfate contaminated soils and in contact with sea water.

PHYSICAL PROPERTIES

Swelling Performance in clean water	1000%
Swelling Performance in contaminated water	800%
Swelling Performance in salt water	300%
Water Pressure Resistance	>50 m (5 bar)
Appearance	Yellow, trapezoid, flexible rubber strip
Dimensions	5 x 20mm (approx .2" x .8")
Odor	Odorless
Density	1.2 - 1.25 g/cm ³
Hardness (Shore A)	24 +/- 3 sh A
Tensile Strength	>3MPa

APPLICATION

Before using this product, refer to Application Instruction 4.15 – Waterproofing Construction Joints (Swellstrip Method) for detailed application instructions. Basic Application Procedures: Apply Krytonite Swelling Waterstop to a clean, flat, dry surface using either concrete nails or construction adhesive. If using adhesive, allow adhesive to dry before pouring concrete. Place at or near the center of the joint. Leave a minimum of 75 mm (3 in.) of concrete cover. Strip-ends should be tightly butted and not overlapped. Avoid heavy rain or immersion in water as this may cause premature swelling. If premature swelling occurs, dry the Krytonite sufficiently to restore its original dimensions before pouring concrete.

For added long-term waterproofing performance and to protect the outboard reinforcing steel, it is recommended that crystalline technology be incorporated into this waterstop system by applying Krystol Waterstop Treatment to the joint location by the sides of the Krytonite strip.

LIMITATIONS

Minimum joint cross section is 200 mm (8 in.). Minimum concrete strength is 27.5 MPa (3000 PSI). Apply only in dry conditions.

SAFETY

Read the Material Safety Data Sheet (MSDS) before using this product. For professional use only.

PACKAGING

- 5 mm x 20 mm x 10 m rolls, 5 rolls per box, 60 boxes per pallet, 3000 m per pallet (9,842 ft.)
- 10 mm X 20 mm x 10 m rolls, 9 rolls per box, 36 boxes per pallet, 3240 m per pallet (10,630 ft.)

SHELF LIFE

Krytonite Swelling Waterstop should be stored under cover, clear of the ground. Protect the materials from all sources of moisture and frost. Shelf life is 2 years.

WARRANTY

Kryton International Inc. (Kryton) warrants that Kryton products are free from manufacturing defects and comply with the specifications given in their respective technical data sheet. Because conditions of use, such as site conditions, surface preparations, workmanship, concrete ingredients, weather, structural issues and other factors are beyond the control of Kryton, no warranty can be given as to the results of use. Purchaser agrees to seek the advice of qualified professionals and to determine for themselves the suitability of the products for their intended purpose and assumes all risks. Purchaser's sole remedy is limited to replacement of any product proven defective or at Kryton's option refund of the purchase price paid. THIS LIMITED WARRANTY CONTAINS THE ENTIRE OBLIGATION OF KRYTON. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. KRYTON SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. No representative of Kryton has the authority to make any representations or provision except as stated herein. Kryton reserves the right to change the properties of its products without notice.