

# TECHNICAL DATA SHEET

## Construction Joints & Details



# Krystol Waterstop Treatment™

Product Code: K-321

## DESCRIPTION

Krystol Waterstop Treatment is a cementitious crystalline slurry that is applied to horizontal and vertical construction joints to provide additional waterproofing protection, and protect rebar from corrosion.

Krystol Waterstop Treatment is used in conjunction with Krystol Waterstop Grout and/or Krytonite, as part of the Krystol Waterstop System, wherever water penetration through static concrete-to-concrete joints is a concern. Krystol Waterstop Treatment can also be used by itself as a dampproofing treatment.

Krystol Waterstop Treatment contains Krystol technology. When applied to concrete, Krystol chemically reacts with water and un-hydrated cement particles 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. Any moisture introduced over the lifespan of the concrete will initiate crystallization, ensuring permanent waterproofing protection.



## FEATURES & BENEFITS

- Easy to install
- Provides a permanent waterstop treatment as part of the Krystol Waterstop System
- Durable; resistant to rain and foot traffic once hardened
- Safe for contact with potable water; certified to NSF/ANSI Standard 61
- Easy to inspect; distinctive yellow color increases reliability and quality control

## RECOMMENDED USES

Krystol Waterstop Treatment is used in conjunction with Krystol Waterstop Grout and/or Krytonite as part of the Krystol Waterstop System at all static concrete-to-concrete joints where water penetration is a concern. Krystol Waterstop Treatment can also be used by itself as a dampproofing treatment.

## PROPERTIES

<u>Physical Properties</u>	
Appearance	Buff / Yellow powder
Bulk density	1.2 g/cm <sup>3</sup> (75 lb. /cu. ft.)
pH (when mixed with water)	13
<u>Plastic Properties</u>	
Working time (20°C / 68°F, 50% RH)	35 minutes
Hardening time (20°C / 68°F, 50% RH)	2.5 Hours

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### APPLICATION

Refer to **Krytol Waterstop Application Instruction 4.11 to 4.22 (as applicable)** before using this product. Consult a Kryton Representative for help with selecting the appropriate joint detail.

Mix approximately 3 parts Krytol Waterstop Treatment to 1 part clean water (by volume) to a thick slurry consistency. Apply Treatment at construction joints prior to pouring next subsequent concrete. Protect from rain, rapid drying or freezing for at least 24 hours.

### LIMITATIONS

Krytol Waterstop Treatment is effective for rigid structures only and may not reliably seal joints that experience variable loading or repeated movement. Consult a Kryton representative for project specific recommendations.

### SAFETY

Read the Safety Data Sheet (SDS) for this product. For professional use only. This product becomes caustic when mixed with water or perspiration. Avoid contact with skin or eyes. Avoid breathing dust. Wear long sleeves, safety goggles and impervious gloves.

### PACKAGING

Krytol Waterstop Treatment is available in 5 kg (11 lb.) and 25 kg (55 lb.) resealable pails.

### SHELF LIFE

When stored in a dry enclosed area, Krytol Waterstop Treatment has a shelf life of 3 years for unopened pails and 4 months for properly resealed pails.

### 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.