

# TECHNICAL DATA SHEET

Concrete Repair



## Krystol Bari-Cote™

Product Code: K-315

### DESCRIPTION

Krystol Bari-Cote™ is a high-strength, non shrink crystalline waterproofing grout/mortar that is uniquely designed to repair leaking cracks, holes and joints. It is specially formulated with Kryton's proven Krystol® technology which combines chemically with water and concrete to form millions of needle-like crystals. These crystals grow in all directions to fill any capillary pores of the grout and surrounding concrete to block the passage of water.

### FEATURES & BENEFITS

- High early strength
- Superior bonding ability
- Very high compressive strength
- Withstands hydrostatic pressure
- Contains no corrosive chemicals or metals
- Safe for contact with potable water
- Can be painted after curing
- Fast and easy to use
- Waterproofs Permanently
- Increased durability reduces maintenance and repair costs
- Superior performance enhances your reputation for high quality work
- Contains Krystol® Technology
- CE certified, Structural Repair Products (R4 Category) – EN 1504-3

### RECOMMENDED USES

Use as part of the Krystol® Leak Repair System to:

- Repair leaking cracks, construction joints and holes in concrete slab
- Waterproof form tie holes in concrete
- Repair spalled or honeycombed concrete

### PROPERTIES

Physical Properties	
Appearance	Gray powder
Bulk density g/cm <sup>3</sup>	1.36
pH (when mixed with water)	12
Plastic Properties	
Working time (20°C/ 68°F, 50 % RH)	15 minute
Hardening time (20°C/ 68°F, 50 % RH)	60 minute

# TECHNICAL DATA SHEET

## Concrete Repair



### Hardened Properties

Hydrostatic head resistance	140 m (460 ft.)
Compressive strength (ASTM C109)	2 hours - 8 MPa
	1 day - 18.6 MPa
	7 days - 40.2 MPa
	28 days - 45.0 MPa

## APPLICATION

1. Mix Krystol Bari-Cote™ to a suitable putty consistency (approximately 4 parts powder to 1 part clean water by volume) and apply to the prepared surface using a trowel. Do not mix more than can be applied within 15 minutes.
2. For deep patches or overlay applications thicker than 30mm, mix Krystol Bari-Cote™ with clean up to 10mm pea gravel (approximately 4 parts powder to 1.5 parts gravel to 1 part clean water by volume).
3. For Construction Joints treatment, mix to suitable putty consistency (4 parts powder to 1 part clean water by volume) and apply as a second putty over Ktyol T1™ in a groove of minimum 20mm x 25mm.
4. For Tie Rod treatment mix Krystol Bari-Cote™ to putty consistency (3.5 parts powder to 1 part clean water) and apply in a groove of 25mm x 25mm x 25mm.

For details on application methodology, please consult a Kryton representative for project specific recommendations.

## SAFETY

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

Krystol Bari-Cote is available in 25 kg reusable pails.

## SHELF LIFE

When stored under standard conditions and minimum temperature of 7°C, Krystol Bari-Cote has a shelf life of at least 3 years for unopened pails.

## WARRANTY

Kryton Buildmat Co. Pvt. Ltd. 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.