

# TECHNICAL DATA SHEET

## Concrete Repair



# Krystol Bari-Cote™

## 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

## 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

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

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### 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 resealable pails

### SHELF LIFE

When stored in a dry enclosed area, Krystol Bari-Cote has a shelf life of 2 years for unopened pails.

### WARRANTY

Kryton Buildmat Co. Pvt. Ltd. warrants that its products are free from manufacturer's defects and, when applied in accordance with the current specifications and application instructions will perform as stated in its product literature. Because methods and conditions of use are beyond the control of Kryton, no guarantee, expressed or implied can be given as to the results of application. Liability of Kryton shall be limited to replacement of materials proved defective or, at its option, refund of the purchase price of the product.