

# TECHNICAL DATA SHEET

Water Barrier for Repair of Concrete or Brick

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## Krytol Bari-Cote™

Water Barrier for Repair of Concrete or Brick

### DESCRIPTION

Krytol Bari-Cote is a high-strength non shrink crystalline waterproofing grout that is uniquely designed to repair leaking cracks, holes and joints. It is specially formulated with Kryton's proven Krytol® 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

- 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
- Increased durability; reduces repair cost



### KEY BENEFITS

- Fast and easy to use
- Waterproofs Permanently
- Increased durability decreases maintenance and repair costs
- Superior performance enhances your reputation for high quality work
- Contains Krytol® Technology



### RECOMMENDED USES

Use as part of the Krytol® Crack Repair System to:

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



### PHYSICAL PROPERTIES

Appearance	Gray Powder
Bulk density g/cm <sup>3</sup> (lb./cu.ft.)	1.40
pH (when mixed with water)	12

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## PLASTIC PROPERTIES

Working time (20°C/68°F,50% RH)	15 minute
Hardening time(20°C/68°F,50% RH)	60 minute

## HARDENED PROPERTIES

Hydrostatic head resistance	140m (460 ft.)
Compressive Strength (ASTM C109)	2 hours - 8MPa 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 13 mm (0.5 in.) mix Krystol™ Bari-Cote with clean 10 mm (0.375 in.) 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 Krystol T1™.

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

## LIMITATIONS

Krystol Bari-Cote is effective for rigid structures only and is not intended for structures that experience variable loading or repeated movement. 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

- 25 kg resealable pails

## SHELF LIFE

Krystol™ Bari-Cote has a shelf life of 2 years for unopened pails, when stored under standard conditions and minimum temperature of 7°C.

## WARRANTY

Kryton Buildmat Co. Pvt. Ltd. ( A Unit of Kryton, Canada), warrants that its products are free from manufacturer's defects and, when applied in accordance with the current specification application instructions will perform as so 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.

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