

TECHNICAL DATA SHEET

Concrete Repair



Krytol Bari-Cote™

DESCRIPTION

Krytol 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 Krytol® technology which combines chemically with moisture and un-hydrated cement 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 Krytol® Technology

RECOMMENDED USES

- Repair leaking cracks
- Repair spalled or honeycombed concrete.
- Construction joints
- Tie-rod holes and pipe penetrations

PROPERTIES

Physical Properties	
Appearance	Grey powder
Bulk density g/cm ³	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

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Hardened Properties

Hydrostatic head resistance	160 m (524 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. For patching, Krystol Bari-Cote™ is mixed to a suitable putty consistency, approximately 4 parts powder to 1 part clean water by volume, and applied to the prepared surface using a trowel.
2. For parge coats, Krystol Bari-Cote™ is mixed 6.5 parts powder to 2 parts clean water by volume and applied to the prepared surface using a trowel.
3. For deep patches or overlay applications thicker than 13 mm (0.5 in.), Krystol Bari-Cote™ is mixed with clean 10 mm (0.375 in.) pea gravel at a mix ratio of approximately 4 parts powder to 1.5 parts gravel to 1 part clean water by volume.

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 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.