



At the Lab. In the Field.
By Your Side.

KRYSTOL BARI-COTE™

WATER BARRIER FOR CONCRETE OR BRICK



CONCRETE
WATERPROOFING

Product Code: K-315

December 2003

QUESTIONS: 1-800-267-8280 or www.kryton.com

DESCRIPTION

Krytol Bari-Cote is a fast-setting waterproof grout that is specially designed to repair leaking cracks, holes and joints in concrete as part of Krytol Specifications No.1 and No.2. **Krytol Bari-Cote** contains special ingredients that react chemically with concrete to form millions of needle shaped hydration crystals. These crystals grow deep into the capillary pores of the grout and surrounding concrete to block the passage of water.

FEATURES

- Waterproof - contains Krytol Internal Membrane (KIM) waterproofing compounds
- Contains no corrosive chemicals or metals
- Fast setting, high early strength
- Superior bonding ability
- Very high compressive and flexural strength
- Withstands hydrostatic pressure
- Safe for contact with potable water
- Can be painted after curing

RECOMMENDED USES

- Use Krytol Bari-cote to repair leaking cracks, joints and holes in concrete as part of Krytol Specifications No.1 and No.2
- Fill form-tie holes in concrete walls
- Repair spalled or honeycombed concrete
- Use as a waterproof plaster on masonry walls

PACKAGING

Krytol Bari-Cote is packaged in re-sealable plastic buckets. Available sizes are:

- 5 kg (11 lbs.)
- 25kg (55 lbs.)

PRECAUTIONS

- Krytol Bari-Cote contains Portland cement and becomes caustic when mixed with water or perspiration. Wear appropriate protective clothing and equipment, including impermeable gloves, long sleeves and safety goggles. Avoid breathing dust.
- See the material safety data sheet for additional safety information

PHYSICAL PROPERTIES

Appearance	Dry Powder
Color	Gray
Working Time	15 minutes
Setting Time	20 to 30 minutes
Water pressure resistance (CRD C48-92)	140m vertical head
Compressive Strength (ASTM C-109)	2 hours: 4.8 Mpa
	48 hours: 20.7 Mpa
	7 days: 43.4 Mpa
	28 days: 46.2 Mpa
Lineal change (ASTM C-157)	24 hours: +0.21%
	3 days: +0.32%
	7 days: +0.32%
	28 days: +0.32%

APPLICATION

Concrete or brick surfaces must be sound and free of all contaminants. Surfaces to be treated must be pre-soaked with clean water to achieve a saturated/surface-dry (SSD) condition. Do not leave any standing water. Mix KRYSTOL BARI-COTE to a suitable putty consistency - approximately 4 parts powder to 1 part clean water. Apply using a stiff trowel to the prepared surface. Note that Bari-cote will develop significant heat from hydration as it hardens. Protect from rapid drying by misting with water.

Apply to a maximum thickness of 13mm (0.5 inches). For thicker applications, mix Krytol Bari-Cote with clean pea gravel (10mm minus).

COVERAGE

- 1kg will fill 430 cm³ when used as a grout (about 12 cubic inches per pound).
- As a component of the crack repair system (Specification No.1) one 25kg (55lb) pail will complete approx. 30m (100 ft.) of crack.
- One 25kg (55lb) pail will cover approx. 3.5 square meters (38 square feet) at 3mm thickness (1/8th inch).

TECHNICAL DATA

The Kryton Group of Companies.

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