



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

KRYSTOL WATERSTOP GROUT™

CONSTRUCTION JOINT WATERPROOFING SYSTEM



CONCRETE
WATERPROOFING

Product Code: K-322i, K-322x

March 2005

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

DESCRIPTION

Krytol Waterstop Grout™ is a specially formulated powder containing the proven chemistry of Krytol™ integral crystalline waterproofing. Krytol Waterstop Grout is a primary component of the Krytol Waterstop System™ and is used to create concrete construction joints that are permanently waterproof. The active ingredients in Krytol Waterstop Grout combine chemically with water and concrete to form millions of needle-shaped crystals that grow in all directions to fill any capillary pores, cracks and joints that might otherwise allow water to pass.

FEATURES

- Provides a permanent waterstop treatment as part of the Krytol Waterstop System
- Contains proven Krytol waterproofing technology
- Withstands extreme hydrostatic pressure
- Contains no corrosive chemicals
- Durable - not prone to jobsite damage
- Very high strength
- Safe for contact with potable water
- Easy to install
- Distinctive color makes it easy to inspect

RECOMMENDED USES

- Use in conjunction with Krytol Waterstop Treatment™ as part of the Krytol Waterstop System at all static concrete-to-concrete joints where there is any concern regarding water penetration.

APPLICATION

- Internal Method - For most common applications, carefully follow the instructions detailed in Technical Bulletin #103
- External Method - For applications where the Internal Triangle Method can not be used, follow the instructions detailed in Technical Bulletin #104

PACKAGING

Krytol Waterstop Grout is packaged in the following standard sizes:

- 11 pound (5kg) pails
- 55 pound (25kg) pails

COVERAGE

- The Internal Method requires one 55lb. (25kg) pail of Krytol Waterstop Grout for every 50 lineal feet of joint (15 meters/ pail)
- The External Method requires one 55lb. (25kg) of Krytol Waterstop Grout for every 25 lineal feet of joint (7.5 meters)

PHYSICAL PROPERTIES

Color	Red - K-322i Gray - K-322x
Texture	Powder
Bulk density	1.4
PH (when mixed)	12
Water pressure resistance	543 PSI (3.75MPa)
Vertical water column resistance	1,148 feet (350m)
Working time	25 Minutes
Hardening time	1-2 hours
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	24 hours: +0.21% 3 days: +0.32% 7 days: +0.32% 28 days: +0.32%

PRECAUTIONS

- Carefully follow the instructions in Technical Bulletins #103 or #104
- Krytol Waterstop Grout becomes caustic when mixed with water or moisture. Use suitable protective clothing and eye protection.
- See the Material Safety Data Sheet for this product.

TECHNICAL DATA

The Kryton Group of Companies.

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