

TECHNICAL DATA SHEET

Construction Joints & Details



Krytol Waterstop Grout™

DESCRIPTION

Krytol Waterstop Grout is a primary component of the Krytol Waterstop System and is used to permanently waterproof concrete construction joints, pipe penetrations, tie holes and control joints. Krytol Waterstop Grout is specially formulated with Kryton's proven Krytol technology and contains fiber and shrinkage controlling additives that limit cracking. The active Krytol ingredients in Krytol Waterstop Grout combine chemically with water and unhydrated cement 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 & BENEFITS

- High early strength
- Superior bonding ability
- Very high compressive strength
- Withstands hydrostatic pressure
- Contains no corrosive chemicals or metals
- Safe to contact with potable water
- Can be painted after curing
- 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

- 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 ³ (lb./cu.ft.)	~ 1.40
pH (when mixed with water)	~ 12
<u>Plastic Properties</u>	
Working time (20°C, 50% RH)	30 minutes
Hardening time (20°C, 50% RH)	1 hour

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Hardened Properties	
Hydrostatic head pressure resistance	140 m (460 ft.)
Compressive Strength (ASTM C109)	30 MPa (4351 psi) @ 24 hrs 40 MPa (5801 psi) @ 7 days 50 MPa (7251 psi) @ 28 days 55 MPa (7977 psi) @ 56 days
Pull off Strength (ASTM C1583)	400 psi

APPLICATION

1. Mix Krytol Waterstop Grout 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 30 minutes.
2. For Construction Joints treatment mix to suitable putty consistency (4.5 parts powder to 1 part clean water by volume) and apply in a groove of 20mm 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

Krytol Waterstop Grout is available in 25 kg resealable pails.

SHELF LIFE

When stored in a dry enclosed area, Krytol Waterstop Grout has a shelf life of 3 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.