

TECHNICAL DATA SHEET

Surface-Applied Cementitious Waterproofing for Concrete

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BE SURE. BE KRYTON.

Krystol T2[®] Waterproofing System

DESCRIPTION

Krystol T2[®] system is a surface-applied crystalline waterproofing treatment for concrete structures that is used to protect the structures against the ingress of water. It is a dry powder, that when mixed with water becomes a coating that is applied to the inner or outer surface of the concrete structure. Krystol T2[®] can be used in conjunction with Krystol T1[®] as a second coat or Individually as a dry-shake broadcast to fresh concrete, or for coating on existing concrete surfaces.

Krystol T2[®] contains Kryton's unique and proven Krystol[®] technology which reacts with un-hydrated cement particles to form millions of needle-like crystals. These crystals grow in a catalytic reaction filling the naturally occurring pores and voids in concrete and permanently blocks the pathways for water and waterborne contaminants. Later, if cracks form due to settling or shrinkage, incoming water triggers the crystallization process and additional crystals form, filling cracks and ensuring that the structure's waterproofing barrier is maintained and protected. The concrete itself becomes the waterproof layer removing the need for any surface treatment.

FEATURES

- Replaces unreliable exterior membranes, liners and coatings
- Reaches well below the surface and is not affected by surface wear or abrasion
- Self-seals hairline cracks up to 0.5 mm (0.02 in.)
- Reactivates in the presence of moisture
- Waterproofs from any direction (i.e. positive or negative side)
- Treatment may be applied to old or new concrete
- Safe for contact with potable water, certified by NSF to NSF/ANSI Standard Drinking Water System Components Health Effects



KEY BENEFITS

- Permanently waterproofs the concrete
- Increases reliability and quality control
- Lowers the cost of waterproofing
- Increases durability decreases building maintenance and repair costs
- Protects against corrosion
- Good performance



Kryton Buildmat Co. Pvt. Ltd.

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For Supplies please contact:

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Delhi, India

+91-11 42175807 , +91 9582307311

Online Shop @ www.bilsinnovations.com

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RECOMMENDED USES

- As a second coat over Krystol T1®
- Individually as damproofer & waterproofing
- For concrete foundations, walls and slabs on grade
- Elevator pits and equipment pits
- Parking structures
- Swimming pools and water features
- Water towers, reservoirs, storage tanks and water treatment reservoirs
- Rooftops and roof decks

PHYSICAL PROPERTIES

Appearance	Gray powder
Bulk Density g/cm ³	1.25
pH (when mixed with water)	13

PLASTIC PROPERTIES

Working Time (20°C/50% RH)	60 minutes with continued stirring (slurry)
Hardening Time (20°C/50% RH)	4 hours (slurry)

HARDENED PROPERTIES

Hydrostatic Head Resistance	140 m (460 ft.)
When used as second Coat Over Krystol T1®	

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APPLICATION

Application should not be made when the surface temperature is below 5°C (41°F). When applying Krystol T2® as a slurry-based coating on concrete, mix Krystol T2® to a slurry consistency (5 parts powder to 2 parts clean water) and with a natural bristle concrete brush, use an aggressive circular motion to coat the concrete with the Krystol T2® mix at a coverage of 0.8 Kg/m² (1.5 lb. /sq.yd.) when used with Krystol T1® as second coat.

When applying Krystol T2® as dry-shake broadcast to freshly poured horizontal slabs, spread Krystol T2® on the fresh concrete before final trowelling and finishing at a coverage of 1.0 kg/sqm (1.8 lb./sq. yd.). Please contact a Kryton Representative for details. Completed application should be protected against direct exposure to sun for 48 hours and against rain and light traffic for 12 hours. Heavy traffic should be avoided until the surface has hardened (at least 5 days). The treated concrete surface should not be permanently exposed to liquids for 7 days. Finishes containing Portland Cement may be applied over Krystol T2® after 3 hours but other finishes should not be applied before 28 days.

LIMITATIONS

Krystol T2® is an effective waterproofing system for rigid concrete structures only and may not reliably seal cracks and joints that experience constant or repeated movement. However is effective on surfaces with minor movement as experienced on balconies, terrace which takes normal load. Consult a Kryton representative for project specific recommendations. Krystol T2® is not a decorative coating.

SAFETY

For professional use only. This product becomes extremely 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 resalable pails

SHELF LIFE

Krystol T2® has a shelf life of 2 years for unopened pails and 4 weeks for properly resealed pails.

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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 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.

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