

KRYSTOL T1® & T2®

Concrete Waterproofing Surface-Applied



Frequently Asked Questions (FAQ)

Why are there two surface treatment products needed (Krystol T1& Krystol T2)? Can Krystol T1 be used alone?

Just like painting a home, crystalline waterproofing is more effective when applied in two coats. Two coats provide more uniform coverage, and the second coat can fill in any missed spots or imperfections in the first coat.

Both Krystol T1 & Krystol T2 contain Krystol waterproofing chemicals. Krystol T2 provides a more durable finish and contains less active ingredients than Krystol T1, making the combined Krystol T1& Krystol T2 system the most effective waterproofing system for most users.

Krystol T1 may be used alone for any waterproofing application, but a final coat of Krystol T2 is recommended for horizontal applications subject to abrasion, or where aesthetics are a concern.

Why is my application of Krystol T1& Krystol T2 flaking off?

Just like any cementitious material, Krystol T1 & Krystol T2 require proper application conditions and moist curing to reach their full performance. When installed properly to a sound, Saturated Surface Dry surface, Krystol T1 & T2 will gain most of its strength and adhesion between 1 and 7 days depending on curing conditions. If early strength and adhesion seems low, continue to moist cure the Krystol T1& Krystol T2 application to facilitate further hydration until the desired properties develop.

Why do I need to apply a layer of mortar over the Krystol T1 when installing under tile?

Applying an additional layer of mortar over Krystol T1 prior to installing tile has several advantages. The mortar allows the surface profile to be modified to suite the tile installer's preference, and also provides a fresh surface for the tile adhesive to bond to.

How long should Krystol T1& Krystol T2 be cured before back filling with soil?

Cure the Krystol T1& Krystol T2 until it has gained adequate strength not to be damaged by backfilling, typically 24 hours. Inspect the application first to ensure adequate strength and a sound bond. If needed, address any areas requiring touch up and cure for an additional 24 hours before backfilling.

What are the minimum and maximum application temperatures for Krystol T1& Krystol T2?

Krystol T1& Krystol T2 should not be applied below 5°C to avoid long set times and the risk of freezing.

In hot weather, Krystol T1& Krystol T2 should be protected from sources of rapid evaporation such as high temperatures, direct sun exposure, low relative humidity and wind.

Can I paint Krystol Krystol T1 & Krystol T2?

Krystol T1& Krystol T2 can be painted with any paint that is suitable for concrete. However, be aware that Krystol T1& Krystol T2 may form a fine layer of dust-like residue at the surface that will prevent the adhesion of paint unless the Krystol T1& Krystol T2 is primed with a penetrating primer. Water-based, non-pigmented, 100% acrylic latex primers are suitable, as these encapsulate the Krystol residue and bind it to the surface, allowing subsequent layers of paint to adhere. Prior to priming, old applications of Krystol T1& Krystol T2 should be carefully washed with a mild detergent or TSP solution and thoroughly rinsed prior to priming.

FAQ

Kryton International

Can KIM, Krystol T1 or Krystol Broadcast be substituted for one another?

No.

While each product contains the same Krystol waterproofing technology, each product has been optimized for its intended application method. Always follow the instructions found in Kryton's product data sheets and application instructions.

What effect does KIM and Krystol T1/ Krystol T2 have on moisture vapour transmission? Does it have a perm rating (g/m²/24hrs)?

Vapour permeability ratings are applicable to membrane systems, not integral materials like KIM or Krystol T1/ Krystol T2. KIM and Krystol T1/ Krystol T2 will reduce vapour permeability and moisture vapour transmission through concrete; however the final performance will depend on many factors, including the basic properties of the concrete.

Testing performed by the British Board of Agrément demonstrated a 20% reduction in moisture vapour permeability for KIM concrete compared to a control. The actual reduction in moisture vapour emission through concrete may be greater because KIM will block liquid water from passing through the concrete, disrupting a significant source of moisture transfer.