

NEW CONSTRUCTION OVERVIEW

Waterproofing Bridges

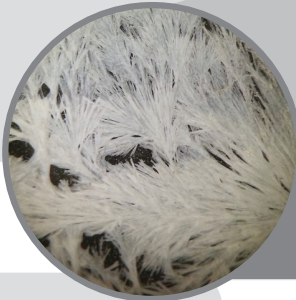
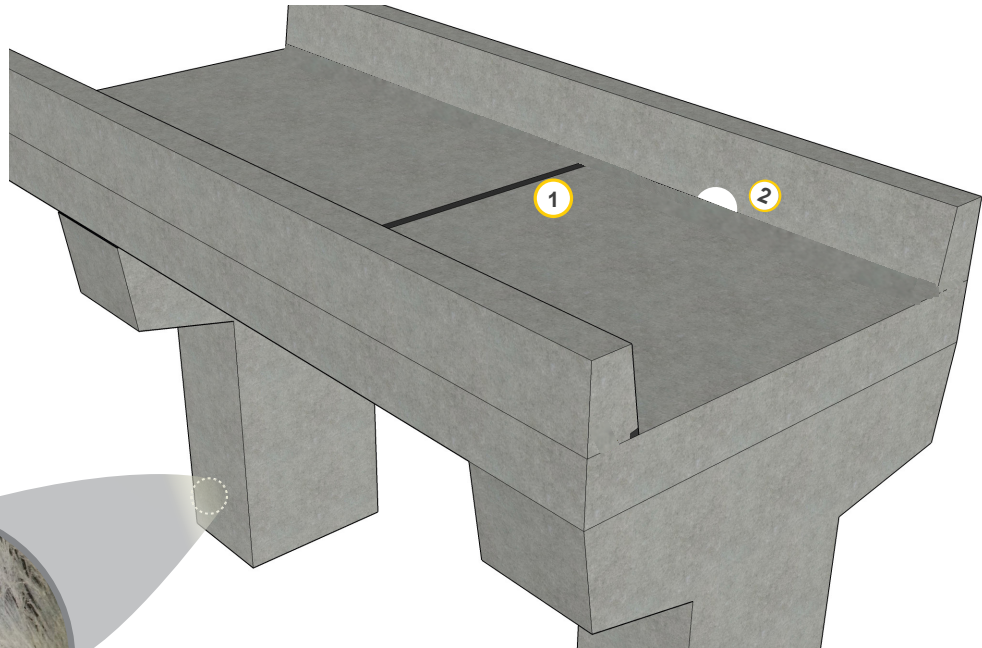


Kryton's **Krystol Internal Membrane™ (KIM®)** Waterproofing System covers every construction detail to create watertight concrete structures that prevents corrosion and extends the service life of concrete structures. It is more reliable, lasts longer and saves time over other waterproofing systems. This not only saves money during initial construction but also reduces long term repair and maintenance costs.

Krystol Internal Membrane (KIM)

Add to the concrete mix to turn the concrete itself into a permanent waterproofing membrane.

KIM stops water by lowering the permeability of the concrete. Through its unmatched ability to self-seal micro cracks and stop water under the most severe hydrostatic pressure, KIM is the most effective concrete waterproofing solution available.



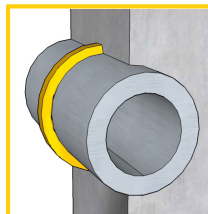
Krystol® chemically reacts with water and un-hydrated cement particles to form insoluble needle-shaped crystals that fill capillary pores and micro-cracks in the concrete and block the pathways for water and waterborne contaminants. Any moisture introduced over the lifespan of the concrete will initiate crystallization, ensuring permanent waterproofing protection.

Krystol Waterstop System (KWS)

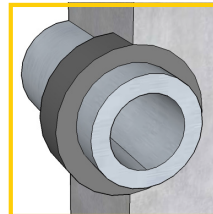
Use to permanently waterproof every concrete detail including Pipe Penetrations.

- ① Expansion Joints
- ② Pipe penetrations.

② PENETRATIONS



Internal Swelling
Method

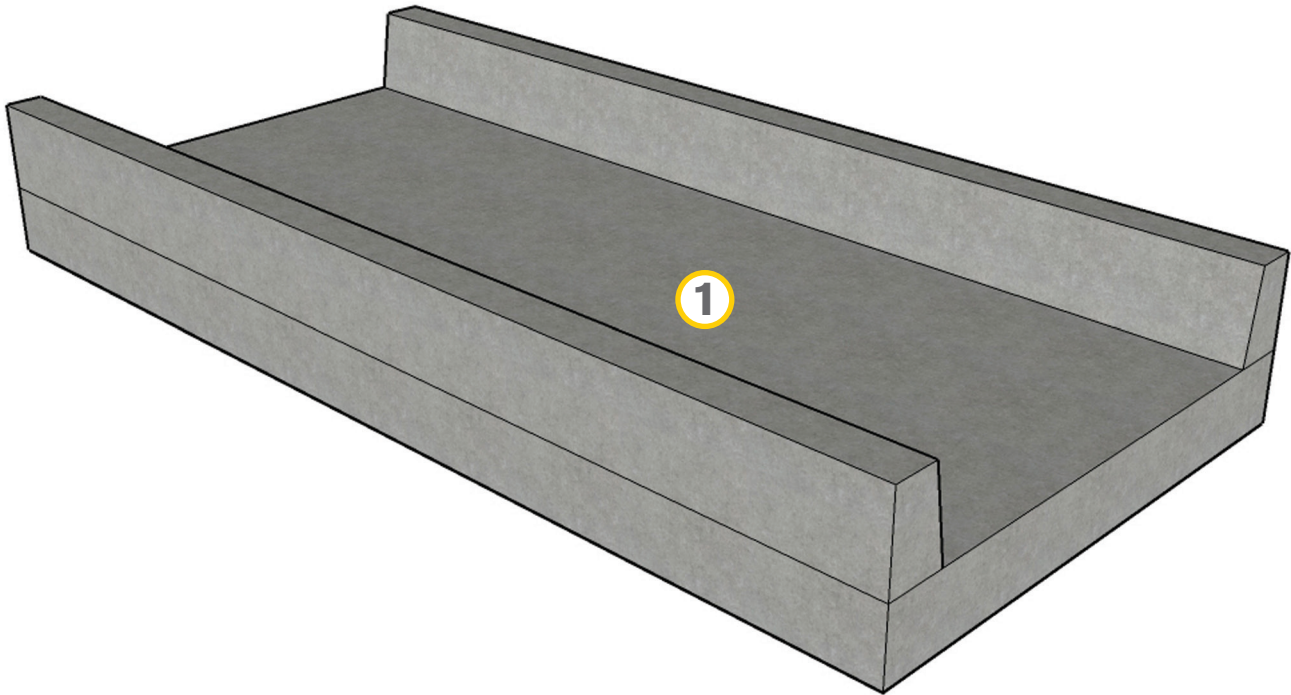


External Grout
Method

APPLICATION OVERVIEW

New Construction - Bridge Deck

2 of 2



1. Add Krystol Internal Membrane (KIM) to the concrete mix in the bridge deck to protect the deck from de-icing salts. Refer to Application Instructions 1.11— Use of KIM Admixture. Note:

Jointing on bridges should be done with appropriate expansion joint systems.